

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

50' N of W/2 SW - NW - Sec. 32 Twp. 31S Rge. 12 X E

API NO. 15- 007-225800000 plugged 9/24/98

County Barber

3350 Feet from (S) (circle one) Line of Section

4950 Feet from (E) (circle one) Line of Section

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

Lease Name Frieden Well # 1

Field Name Medicine River Ext.

Producing Formation N/A

Elevation: Ground 1534 KB 1539

Total Depth 4606 PBDT plugged

Amount of Surface Pipe Set and Cemented at 339' Feet

Multiple Stage Cementing Collar Used? Yes X No

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

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

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

Drilling Fluid Management Plan FA, 2-22-99 U.C.  
(Data must be collected from the Reserve Pit)

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

Dewatering method used Hauled offsite

Location of fluid disposal if hauled offsite:

Operator Name Great Plains Fluid Service

Lease Name Watson #2 License No. 8061

SW Quarter Sec. 8 Twp. 29S S Rng. 15W E/W

County Pratt Docket No. d-24324

Operator: License # 31881

Name: McGinness Oil Company of Kansas, Inc.

Address 150 N. Main, Suite 1026

Wichita, Kansas 67202

City/State/Zip ORIGINAL

Purchaser: N/A

Operator Contact Person: Douglas H. McGinness

Phone (316) 267-6065

Contractor: Name: Pickrell Drilling Company

License: 5123

Wellsite Geologist: Douglas H. McGinness II

Designate Type of Completion

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_

\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW \_\_\_\_\_ Temp. Abd.

\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW

X Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

KCC

If Workover:

Operator: NOV 2

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

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

\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD

\_\_\_\_\_ Plug Back \_\_\_\_\_ PBDT

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

9/14/98 9/23/98

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 Douglas H. McGinness

Title CEO Date 11/2/98

Subscribed and sworn to before me this 2nd day of November, 19 98.

Notary Public [Signature]

Date Commission Expires 2/7/2000

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)

DONNA L. JESPERSEN  
Notary Public - State of Kansas  
My Appt. Expires 2/7/2000

Form ACD-1 (7-91)

MAY 05 2000

FROM CONFIDENTIAL

Operator Name McGinness Oil Company of Kansas, Inc. Lease Name Frieden Well # 1

Sec. 32 Twp. 31S Rge. 12  East  West

County Barber

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:

Log Formation (Top), Depth and Datum			Sample
Name	Top	Datum	
Huebner	3497'	(-1958)	
Lansing	3685'	(-2146)	
Mississippian	4218'	(-2679)	
Viola	4436'	(-2897)	
Simpson Sand	4528	(-2989)	
RTD/LTD	4606	(-3067)	

CASING RECORD

New  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	23	339	60/40 Pozmix	200	2% gel 3% CaCl <sub>2</sub>

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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (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, SWD or Inj. N/a Producing Method  Flowing  Pumping  Gas Lift  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: \_\_\_\_\_

# PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 206

WICHITA, KANSAS 67202-1898

(316) 262-8427

## CONFIDENTIAL

#1 Frieden  
50' N. of W/2 SW NW  
Section 32-31S-12W  
Barber County, Kansas  
Operator: McGinness Oil Company of Kansas, Inc.

API#: 15-007-22,580  
3350' From South Line of Section  
4950' From East Line of Section  
ELEV: 1539' KB, 1537' DF, 1534' GL  
Contractor: Pickrell Drilling Co. Inc. - Rig #1

# ORIGINAL

- 9-14-98: MIRT.
- 9-15-98: Spud @ 5:15 AM. Drlg. 12 1/4" hole @ 140'.
- 9-16-98: (On 9-15) Ratholed ahead to 1006'. Set 8 jts. of New 8 5/8" 23# Csg. set @ 339' KB, (tally 331'), cmt w/200sx of 60-40 poz, 2% gel, 3% CC. Cmt circ. PD @ 6:15 PM on 9-15-98. (On 9-16) Drlg. @ 1250'. Cementing by Allied, Ticket # 9795.
- 9-17-98: Drlg. @ 2295'.
- 9-18-98: Drlg. @ 3100' @ 7:00 AM. Losing circ. @ 3142' @ 10:00 A.M.
- 9-21-98: (On 9-19) Testing @ 3273'. DST #1 3115-3273', 30"-30"-30"-30", Rec: 2887' M&W. ISIP 1427#, IFP 1438#, FFP 1448#, FSIP 1448#. (On 9-20) Drlg. @ 3815'. (On 9-21) Drlg. @ 4000'. DST #2 3890-3910', 30"-30"-30"-30", Rec: 120' SOCWtryM. (Chl 72,000 and 4,000 PPM.) ISIP 1498#, IFP 61-81#, FFP 111-132#, FSIP 1498#.
- 9-22-98: Drlg. @ 4460'.
- 9-23-98: Testing @ 4527'. (On 9-22) DST #3 4480-4522', 30"-60"-30"-60", Rec: 10' M. ISIP 133#, FSIP 46#.
- 9-24-98: RTD 4600'. DST #4 4480-4527', 30"-60"-30"-60", Rec: 90' SOCMW. Ran E-Log. GIH to P&A. LTD 4606'. P&A as follows: 50sx @ 550', 40sx @ 350', 10sx @ 40', 15sx in RH of 60-40 poz, 6% gel. Plugging completed @ 1:00 PM on 9-24-98. Approval by KCC District #1 - Steve Durrant. Final Report.

### KCC

NOV 2

## CONFIDENTIAL

RECEIVED  
SAS CORP CO. 11  
11/02/98 10:46

### SAMPLE TOPS

Howard	3008 (-1469)
Lower Douglas Sand	3645 (-2106)
Lansing	3680 (-2141)
Drum	3903 (-2366)
Stark Shale	4035 (-2496)
Mississippian	4197 (-2658)
Kinderhook Shale	4332 (-2793)
Viola	4434 (-2895)
Simpson Shale	4506 (-2967)
Simpson Sand	4520 (-2981)
RTD	4600'

### ELECTRIC LOG TOPS

Heebner	3496 (-1957)
Lower Douglas Sand	3650 (-2111)
Lansing	3685 (-2146)
Drum	3910 (-2371)
Stark	4038 (-2499)
Mississippian	4216 (-2677)
Kinderhook Shale	4334 (-2795)
Viola	4436 (-2897)
Simpson Shale	4515 (-2976)
Simpson Sand	4528 (-2989)
LTD	4606'

RELEASED

NOV 06 2000

FROM CONFIDENTIAL

Well Name: <b>Frieden #1</b>	API Code: 15-001-22580-0000	Ref Well Name: Hall #1
Location: NW SW NW 32/31S/12W	Lease Name: <b>Frieden</b>	Ref Well Operator: McGinness Oil Compan
County / State: BARBER, KS	Field: Medicine River Ext.	Ref LOC: SW SW NE - 31/ 31S/ 12W
GL Level: 1534	Contractor: Pickrell Drilling Co.	Reference GL: 1522
KB Level: 1539	Operator: McGinness Oil Company	Reference KB: 1533

Current Date 02-Nov-98

Page 1 of 2

Formation Tops

ORIGINAL

Formation Name	Frieden #1					Comments	
	Ref Well Top	Ref Subsea	Current Well Top	Subsea Datum	+/- To Ref Well		
Howard Ls	3004	-1471	3008	-1469	2	CONFIDENTIAL	
Kanwaka Shale	3333	-1800	3338	-1799	1		
Heebner	3491	-1958	3493	-1954	4		
Douglas Shale	3523	-1990	3527	-1988	2		
Upper Douglas San	3538	-2005	3541	-2002	3		
Lower Douglas San	3630	-2097	3645	-2106	-9		
Lansing	3682	-2149	3680	-2141	8		
KC Drum	3904	-2371	3905	-2366	5		
Stark Shale	4025	-2492	4035	-2496	-4		
HushPuckney Shal	4063	-2530	4063	-2524	6		
Mississipian Chert	4183	-2650	4197	-2658	-8	KCC NOV 2 CONFIDENTIAL	
Kinderhook Shale	4326	-2793	4332	-2793	0		
Viola	4425	-2892	4434	-2895	-3		
Simpson Shale	4500	-2967	4506	-2967	0		
Simpson Sand	4517	-2984	4520	-2981	3		
							Reference Well Top is sample top
							Reference Well Top is sample top.

Drilling Report Details

Date	Start Depth	Operation	Remarks
9/14/98	0	MIRT	Move in Pickrell Drilling Company, rig up, wait on water, Spud with 12 1/4" hole at 5:15 AM.
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			
9/15/98	140	Set surface Casi	Drilling 12 1/4" hole at 140', drilled to 345', wait on survey to TOH with 12 1/4". TIH with 7 7/8", drilled to 1007', no loss circulation encountered. TOH with 7 7/8" ibit, Had 3/4 degree deviation at 1007'. TIH with 12 1/4", reamed to 340', ran 8 jts of new 8 5/8", 23# casing, set at 339' (tally 331.76'), cemented with 200 sacks 60/40 Pozmix, 2% gel, 3% CaCl2, cement circulated, PD at 6:40 PM.
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			
9/16/98	1250	Drilling	Drilling at 1250'.
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			
9/17/98	2295	Drilling	Drilling at 2295
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			
9/18/98	3100	Drilling & DST #1	Drilling at 3142', lost all returns in base of Howard.
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			
9/19/98	3273	Drilling	Drilling at 3273'
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			
9/20/98	3815	Drilling and DST	Drilling at 3815, DST #2
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			
9/21/98	4065	Drilling	Drilling at 4065
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			
9/22/98	4460	Drilling and DST	Drilling at 4460, preparing DST #3 from 4480-4522, Simpson Shale
<b>Daily Mud Details</b> \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0			

PICKRELL DRILLING COMPANY  
 NOV 05 2000  
 FROM CONFIDENTIAL

Well Name: <b>Frieden #1</b>	API Code: 15-001-22580-0000	Ref Well Name: Hall #1
Location: NW SW NW 32/31S/12W	Lease Name: <b>Frieden</b>	Ref Well Operator: McGinness Oil Compan
County / State: BARBER, KS	Field: Medicine River Ext.	Ref LOC: SW SW NE - 31/ 31S/ 12
GL Level: 1534	Contractor: Pickrell Drilling Co.	Reference GL: 1522
KB Level: 1539	Operator: McGinness Oil Company	Reference KB: 1533

Current Date 02-Nov-98

Page 2 of 2

9/23/98 4520 Drilling and DST Circulate at 4474' in Viola, small gas kick, slight show gas bubbles in cherty dolomite, poor porosity.

Daily Mud Details \$0.00 W.L.: 0 Vis: 0 M.W.: 0 Chlorides: 0

Casing History

Size	Weight	Grade	Brand	Type	Condition	Set Depth	Footage
8.75	23	API	J55	Surface	New	339	331.76

Cement Description: 200 sacks 60/40 Pozmix, 2% gel 3% CaCl2

CONFIDENTIAL

DRILL STEM TEST RESULTS

DST	Date	Formation	Int Start	Int End	ISIP	FSIP	IFP	FFP	Time Interval
1	9/18/98	Topeka	3115	3273	1427	1448	1438	1448	30-30-30-30
1st Open: Strong blow-bob in 15 seconds, bled down for 10 min, no blow back			2nd Open: Strong blow, b.o.b., bled down for 10 mins, no blow back			Recovery: 2887' fluid,			
2	9/20/98	KC Drum	3890	3910	1498	1498	61-81	111-132	30-30-30-30
1st Open: Weak blow			2nd Open: Weak blow			Recovery: 120' of VSOCWM, 50% mud 50% water.			
3	9/22/98	Simpson Shale	4480	4522	0	0	133	46	30-60-30-60
1st Open: Very weak blow			2nd Open:			Recovery: 10' of mud			
4	9/23/98	Simpson Sand	4480	4527	0	0			
1st Open:			2nd Open:			Recovery:			

ORIGINAL

KCC  
NOV 2  
CONFIDENTIAL

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MISAS CORP  
1998 OCT 2 12:46

RELEASED

NOV 06 2000

FROM CONFIDENTIAL

# ALLIED CEMENTING CO., INC.

9795 ORIGINAL

Federal Tax I.D.# 48-0727660

P.O. BOX 31  
RUSSELL, KANSAS 67665

**CONFIDENTIAL**

SERVICE POINT:  
Medicine Lodge

DATE <u>5-9-98</u>	SEC. <u>32</u>	TWP. <u>31s</u>	RANGE <u>12w</u>	CALLED OUT <u>2:30 pm</u>	ON LOCATION <u>4:15 pm</u>	JOB START <u>6:00 pm</u>	JOB FINISH <u>6:20 pm</u>
BASE <u>Frieden</u>		WELL# <u>1</u>	LOCATION <u>Medicine Lodge 4 1/2 W on</u>		COUNTY <u>Boyer</u>	STATE <u>Kansas</u>	
OLD OR NEW (Circle one)			<u>River Road N/S</u>				

CONTRACTOR Pickrell Drilling  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/2 ID.  
 CASING SIZE 8 1/2 x 22 DEPTH 339  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 200 MINIMUM 50  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15 feet  
 PERFS.  
 DISPLACEMENT 20.75 BBLs  
 EQUIPMENT  
 PUMP TRUCK CEMENTER Carl Balding  
#233-302 HELPER Shane Winsor  
 BULK TRUCK  
#240-250 DRIVER James Holt  
 BULK TRUCK  
 # DRIVER

OWNER Mc Guinness Oil Co.  
 CEMENT  
 AMOUNT ORDERED 200 cu 60' 40' 2 + 3K cc  
 COMMON A 120 @ 6.35 762.00  
 POZMIX 80 @ 3.25 260.00  
 GEL 3 @ 9.50 28.50  
 CHLORIDE 6 @ 28.00 168.00  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 HANDLING 200 @ 1.05 210.00  
 MILEAGE 200 MINIMUM 100.00  
 TOTAL \$1520.50

REMARKS:

SERVICE

Pipe on bottom break circulation w/ Rig  
Using 3BBLs freshwater mix + pump 200's x  
60:40:2+3K cc cement in stop pumps switch  
valves + Release plug. Displace w/ 200 BBLs  
freshwater shift in cement/did circulate

DEPTH OF JOB 339'  
 PUMP TRUCK CHARGE 0-300' 470.00  
 EXTRA FOOTAGE 39' @ .43 16.77  
 MILEAGE 4 @ 2.85 11.40  
 PLUG wooden 8 1/2" @ 45.00 45.00  
 @  
 @

TOTAL \$543.17

CHARGE TO: Mc Guinness Oil Co.  
 STREET 10-23 UNION CENTER  
 CITY WICHITA STATE KANSAS ZIP 67209

FLOAT EQUIPMENT

1 Basket @ 200.00 200.00  
 @  
 @  
 @  
 @

TOTAL \$200.00

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.

TAX \_\_\_\_\_  
 TOTAL CHARGE \$2271.67  
 DISCOUNT 340.75 IF PAID IN 30 DAYS

SIGNATURE Mike Kern

NET # 1930.92  
MIKE KERN  
PRINTED NAME

RELEASED  
MAY 06 2000

FROM CONFIDENTIAL

# ALLIED CEMENTING CO., INC.

25<sup>th</sup> ORIGINAL

TO P.O. BOX 31  
RUSSELL, KANSAS 67665

A.H.N. Virgil  
**CONFIDENTIAL**

SERVICE POINT

*Great Bend, Kas*

DATE <i>9-24-98</i>	SEC <i>32</i>	TWP <i>31 S</i>	RANGE <i>12-W</i>	CALLED OUT <i>10:00 AM</i>	ON LOCATION <i>10:30 AM</i>	JOB START <i>12:00 PM</i>	JOB FINISH <i>1:00 PM</i>
LEASE <i>Frieden</i>		WELL # <i>1</i>	LOCATION <i>Madedge Shop 4 NW 1/4 Sec</i>		COUNTY <i>Baker</i>	STATE <i>Ks</i>	

OLD OR NEW (Circle one)

CONTRACTOR *Lickrell Drilling Co*  
 TYPE OF JOB *lotary plug*  
 HOLE SIZE *7 1/2" O* T.D.  
 CASING SIZE DEPTH  
 TUBING SIZE *8 5/8"* DEPTH *339'*  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.

OWNER *Same*  
 CEMENT  
 AMOUNT ORDERED *115 cu yd @ 4.00 yd @ 6 1/2 gal*  
 COMMON *69* @ *6.35* *438.15*  
 POZMIX *46* @ *3.25* *149.50*  
 GEL *6* @ *9.50* *57.00*  
 CHLORIDE @  
 @  
 @  
 @  
 @  
 @  
 @  
 HANDLING *115* @ *1.05* *120.75*  
 MILEAGE *MI 4 x 11.5* *100.00*

TOTAL \$ *865.40*

**EQUIPMENT**

PUMP TRUCK CEMENTER *Shane P Smith*  
 # *120* HELPER *Larry Stevens*  
 BULK TRUCK  
 # *301* DRIVER *Lick Weiras*  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

*Mixed 5044 @ 550'*  
*Mixed 4044 @ 350'*  
*Mixed 1044 @ 40'*  
*Mixed 1544 in R.H.*

**SERVICE**

DEPTH OF JOB *550'*  
 PUMP TRUCK CHARGE *470.00*  
 EXTRA FOOTAGE @  
 MILEAGE *4* @ *2.85* *11.40*  
 PLUG *8 5/8" wooden* @ *23.00* *23.00*  
 @  
 @

TOTAL \$ *504.40*

CHARGE TO: *McDiannese Dillo*  
 STREET *1507 Main Suite 1026*  
 CITY *Wichita* STATE *Ks* ZIP *67202*

**FLOAT EQUIPMENT**

@  
 @  
 @  
 @  
 @

TOTAL

*Thank you!*

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.

TAX  
 TOTAL CHARGE *\$ 1369.80*  
 DISCOUNT *205.47* IF PAID IN 30 DAYS  
 NET \$ *1164.33*

RECEIVED  
 MAY 06 2000

SIGNATURE *Mike Kern* Mike Kern

FROM CONFIDENTIAL

ORIGINAL

API-15-007-225800000  
McGinness Oil Company of Kansas, Inc.

Frieden #1  
(3350 FSL & 4980 FEL, Sec.)

C W/2 SW NW  
FROM CONFIDENTIAL SEC. 32-31S-12W KCC  
Barber County, Kansas  
September 1998

CONFIDENTIAL

NOV 2  
CONFIDENTIAL

CONFIDENTIAL



RE 50

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Daily Drilling Reports - NOT AVAILABLE

Sample Show Reports - NONE PREPARED

Supplemental Sample Descriptions.....Page 6-10

Drilling Time.....Page 11-14

DST'S (Drill Stem Tests).....Page 15-29

CORES - NONE

General Well Data

Page Two

Drilling Time: One (1) foot drill time from 1750 feet to 4600 feet

Gas Detector: Baroid Gas Detector  
Great Bend, Kansas  
operational above 1750 feet to 4600 feet

Cores: NONE, Core Retrieval: NONE

(D)rill (S)tem (T)ests: Trilobite Testing Company  
Engineer: Darren Amerine, Pratt KS District  
Four (4) conventional DST's

Elogs: Log-Tech, Inc., Hays, Kansas  
Engineer: Dale Legleiter  
Operator: Allen Worth

Logging acheived with two (2) pass over borehole

Surveys: Dual Compensated Porosity Log  
Dual Induction Log  
Borehole Compensated Sonic Log

Water: Medicine River, plastic PVC line laid by Howard Drilling

Fuel: Moeder Oil, Great Bend, Kansas  
Propane: COOP, Medicine Lodge, Kansas

Production: NONE, Plug and Abandon

Plugging Orders by Steve Middleton, KCC

50 sxs at 550 feet  
40 sxs at 350 feet  
10 sxs at 40 feet  
15 sxs Rathole

115 sxs total cement 60/40 Pozmix, 6% gel by Allied Cementing

Well Chronology  
7 AM Report

Mon. 09-14-98 Move In Rotary tools, Rig Up  
Tue. 09-15-98 Spud 5:15 AM, Set 8-5/8" at 339 ft., rathole ahead w/7-7/8" bit to 1007 feet  
Wed. 09-16-98 Drilling at 1250 feet, 1250 feet last 24 hrs  
Thu. 09-17-98 Drilling at 2295 feet, 1045 feet last 24 hrs  
Fri. 09-18-98 Drilling at 3100 feet, 805 feet last 24 hrs  
Sat. 09-19-98 3273 - lost Circ., 173 feet last 24 hrs, DST 1)3273  
Sun. 09-20-98 Drilling at 3815 feet, 715 feet last 24 hrs, DST 2)3910  
Mon. 09-21-98 Drilling at 4000 feet, 185 feet last 24 hrs  
Tue. 09-22-98 Drilling at 4410 feet, 410 feet last 24 hrs  
Wed. 09-23-98 Drilling at 4527 feet, 117 feet last 24 hrs, Bit Trip at 4527, DST 3)4522, DST 4)4527, RTD 4600 at 7:46 PM, CFS 60" and CTCH for 30" TOOH f/logs, Log-Tech on location at 10:15 PM, running open hole logs at 12:45 AM, Finished logging at 5 AM  
Thu. 09-24-98 4600 feet, plugging, 73 feet last 24 hrs, PLUG & ABANDON

SUMMARY:

The MOC, Frieden #1 was drilled to a vertical total depth of 4600 feet, sufficient to penetrate and evaluate the entire Simpson Sand section. The test well was drilled as an extension of the Medicine River Pool to the MOC Hall #1 in the W/2 SE NE (Miss oil well)

The primary zones of interest are the Elgin Sand, Lower Douglas Sand, Kansas City Drum, Mississippian Chert and Simpson Sand, all are locally productive.

The MOC, Frieden #1 structural position ran flat to low on all marker beds with reference to elog tops. A DST was taken in the Howard Ls (unsuccessful), KC Drum and two DST's in the Simpson Sand interval. All DST's provided negative information concerning the productive nature of the prospective formations. Elog evaluation provided NO additional zones of interest and it was recommended that the MOC Frieden #1 be plugged and abandoned.

A Baroid Gas detector was used throughout the drilling of the MOC, Frieden #1. This unit worked with sporadic success and values related to formation tops will NOT be listed due to this fact.

McGinness Oil Company of Kansas, Inc.  
 Frieden #1  
 3350 FSL & 4980 FEL, Sec.  
 C W/2 SW NW  
 Sec. 32-31S-12W  
 Barber County, Kansas  
 KB 1539

<u>Formations</u>	<u>Sample Tops</u>	<u>Corrected Sample Tops</u>	<u>Elog Tops</u>
surface casing	339 drlr		337
Chase/Herington	1782		1787 - 248
Base Florence Chert	2066		2068 - 529
Onaga Shale	2580		2581 - 1042
Wabaunsee Ls	2640		2635 - 1096
Stotler Ls	2781		2778 - 1239
Howard Ls	3008		3010 - 1471
Lecompton Ls	3295		3306 - 1767
Kanwaka Shale	3338		3344 - 1805
Elgin Sand	Absent		ABSENT
Oread Ls	3455		3446 - 1907
Heebner Shale	3493		3497 - 1958
Toronto Ls	3509		3511 - 1972
Douglas Shale	3527		3520 - 1981
Upper Douglas Sand	3541		3544 - 2005
Lower Douglas Sand	3645		3648- 2109d
Lansing	3680		3685 - 2146
Kansas City Drum	3905		3910 - 2371
Stark Shale	4035		4038 - 2499
Marmaton Ls	4151		4152 - 2613
Mississippian Chert	4211		4218 - 2679
Mississippian Ls	4231		4243 - 2704
Lower Miss. Chert	4265		4268 - 2729
Kinderhook Shale	4332	4337	4333 - 2794
Viola Ls	4434		4436 - 2897
Simpson Shale	4506		4515 - 2976
Simpson Sand	4521		4528 - 2989
RTD, LTD	4600		4606 - 3067

Daily Mud Properties

Date	Depth	WT	VIS	PV	YP	PH	WL	Solids	Chl	Cal	LCM	Costs
09-15-98	SPUD MUD											
09-16-98	NO REPORT											
09-17-98	NO REPORT											
09-18-98	3215	8.7	42	14	10	11.0	16.4	2.5%	6200	--	tr#	3,297.00
09-19-98	3295	9.0	45	16	12	11.0	20.8	4.5%	7500	--	6#	4,640.00
09-20-98	3910	9.2	47	19	14	8.0	24.0	-.-%	9500	--	3#	5,452.00
09-20-98	3910	9.1	56	17	12	11.0	12.0	5.3%	4000	--	4#	6,806.00
09-21-98	4110	9.0	50	16	12	9.5	13.2	4.3%	9400	--	0#	7,231.00
09-22-98	4500	9.1	51	17	14	9.0	16.0	5.2%	5000	--	3#	8,643.00
09-23-98	4550	9.0	28	28	31	9.0	20.4	4.8%	11200	--	3#	8,958.00

Bit Record

Num.	Make	Type	Size	Jets	Out	Footage	Hours
1	Hughes	Retip	12-1/4"	14-14-14	345	345	3-3/4
2	Hughes	Retip	7-7/8"	14-14-14	1007	662	3
3	Walker-Mc	52CHF	7-7/8"	14-14-14	4522	3515	95-3/4
4	Smith	F27(RR)	7-7/8"	14-14-14	4600	78	4-1/2
Total Bit Hours							107

Average Penetration Rate: B/Surf. Csg. to RTD: 41.21 ft/hr  
surface (00) to RTD: 42.99 ft/hr

Deviation Record

345 - 1/2 degrees - dropped, 1007 - 3/4 degrees - dropped  
3273 - 3/4 degrees - dropped, 3910 - 3/4 degrees - dropped  
4527 - 1/4 degrees - dropped, 4600 - 3/4 degrees - dropped

Pipe Strap

3273 - 1.43 foot short to board - NO CORRECTION  
4527 - 1.36 foot short to board - NO CORRECTION

Loss Circulation

3142 - ?? bbls - Howard Ls  
3273 - ?? bbls - Howard Ls

McGinness Oil Company of Kansas, Inc.

September 22, 1998

Frieden #1

(3350 FSL & 4480 FEL, Sec.)

W/2 SW NW

Sec. 32-31S-12W

Barber County, Kansas

The following descriptions were made independent of drilling time and represent an interpretation of each sample saved during the course of the above referenced well.

Douglas H. McGinness II & Patrick Deenihan provided geologic supervision from 1750 thru 4150 feet, NO SAMPLE DESCRIPTIONS AVAILABLE

- 4140-4150 ls tan fn and med xln and med oolitic, sparse chert, shales 15%, gry  
4150-4160 ls cream med xln and med oolitic, some weathered nodules, shales 15%, gry, dk gry to blk 5%  
4160-4170 ls cream med xln and med oolitic, some weathered nodules, shales 15%, gry, dk gry to blk 5%  
4170-4180 ls tan-cream fn xln, equally weathered, sparse med xln-oolitic, sparse blk residual stain, no fluor, sparse chert lt gry, fresh, subopaque, shales 10%, gry  
4180-4190 ls 70%, cream-tan fn and med xln, slightly oolitic, equally weathered, scattered blk sptd residual stain, no fluor, chert 5%, tan-brn and white fresh, opaque, some fossilif, shales 25%, gry, scattered blk  
4190-4200 ls cream-white fn xln dn and weathered to chalky, traces of chert, shales 10%, gry, some blk  
4200-4210 ls cream-white fn xln dn and weathered to chalky, some w/sptd blk residual stain, scattered chert lt blue, fresh, subopaque-translucent, shales 20%, gry-green, gry lesser dk gry  
4210-4220 ls cream-lt gry fn and med xln, sptd blk residual stain thru-out grading to chalky ls, scattered chert lt gry-lt blue, fresh, subopaque, shales 25%, gry, gry-green,  
4225 C.F.S. 30" shales 80%, gry-green, green, some silty and pyritic, ls cream-lt gry fn and med xln, sptd blk residual stain w/scattered chert lt blue-lt gry fresh, opaque  
4225 C.F.S. 45" ls 40%, tan-cream and some lt gry fn and med xln-some suboolitic, (Miss. chert 30%, white, fresh, opaque w/blk sptd residual stain in weathered Chert portions, rare shows of gas, flash odor, no fluor, shales 30%, gry, gry-  
4225 C.F.S. 60" ls 45%, tan-cream fn xln dn some w/blk sptd residual stain, chert 25%, white, fresh, opaque w/blk sptd residual stain in weathering, shales 30%, gry, gry-green to blk  
4225-4230 ls 65%, tan-cream fn and some med xln dn and weathered, chert 15%, white, fresh, opaque-subopaque, some w/weathered portions exhibiting blk residual sptd stain, shales 20%, gry, gry-green to blk  
4230-4240 chert 35%, white, fresh, opaque, oolitic in part w/blk sptd residual stain in weathered portions, no odor, flour or shows oil or gas, ls 35%, cream-tan fn xln, shales 20%, gry-green, gry to blk  
4240-4250 chert 35%, white, fresh, opaque, oolitic in part w/blk sptd residual stain in weathered portions, no odor, flour or shows oil or gas, ls 35%, cream-tan fn xln, shales 20%, gry-green, gry to blk  
4250-4260 shales 60%, gry, dk gry, gry-green, some maroon 5%, ls 20%, tan fn xln, chert 20%, white to lt gry, fresh, opaque

- 4260-4270 shales 75%, varicolored (mostly gry, lesser gry-green, green, maroon), some blk, chert 15%, white, fresh, opaque, some subopaque, slightly oolitic, ls 10%, tan-lt gry fn xln dn
- 4270-4280 shales 80%, varicolored (mostly gry, lesser gry-green, green and maroon to brn), ls 10%, tan-cream and pink fn xln-chalky, chert 10%, white, fresh, subopaque to opaque
- 4280-4290 chert 50%, white and some tan, fresh, subopaque and opaque, smooth, no shows, (Lwr Miss scattered blk sptd residual stain, spicular in part, ls 30%, tan fn xln, Chert) shales 25%, gry-green, green to dk gry
- 4290-4300 chert 70%, white and tan to lt gry fresh, equal amts subopaque and opaque, sharp, some slightly fossilif, ls 20%, tan fn xln, shales 10%, gry, dk gry
- 4300-4310 chert 50%, white and tan fresh, opaque and subopaque, some sharp, ls 35%, tan-cream fn xln dn, shales 15%, gry, gry-green, to blk
- 4310-4320 ls 60%, tan and cream fn xln, chert 35%, white to lt gry, fresh, opaque to subopaque, shales 5%, gry some blk
- 4320-4330 ls 70%, tan and cream fn xln, chert 25%, white to lt gry, fresh, opaque to subopaque, shales 5%, gry some blk
- 4330-4340 ls tan-brn fn xln to weathered, chert 15%, white to lt gry and tan fresh, opaque to subopaque, shales 15%+, gry some green, dk gry, silty
- 4340-4350 ls tan-brn fn xln to weathered, chert 15%, white to lt gry and tan fresh, opaque to subopaque, shales 15%+, gry some green, dk gry, silty
- 4350-4360 ls 70%, tan-brn fn xln to weathered, chert 20%, white to lt gry and tan fresh, opaque-subopaque, shales 10%+, gry, dk gry
- 4360-4370 ls 70%, tan-brn fn xln to weathered, chert 15%, white to lt gry and tan fresh, opaque-subopaque, shales 15%+, gry, dk gry
- 4370-4380 ls 65%, tan-brn fn xln to weathered, chert 20%, white to lt gry and tan fresh, opaque-subopaque, shales 15%+, gry, dk gry
- 4380-4390 ls 55%, tan-brn fn xln to weathered, chert 15%, white to lt gry and tan fresh, opaque-subopaque, shales 30%+, gry, dk gry, some silty to blk
- 4390-4400 ls 60%, tan-brn fn xln to weathered, chert 20%, white to lt gry and tan fresh, opaque-subopaque, shales 20%+, gry, dk gry, some silty to blk
- 4400-4410 ls 65%, tan-cream fn xln, some weathered, chert 15%, white to lt gry, fresh, opaque and subopaque, shales 10%, gry, dk gry
- 4410-4420 ls tan fn xln, chert 10%+, white to lt blue, fresh, subopaque, shales 40%, gry, gry-green, some pyritic, blk 2-5%
- 4420-4430 shales 80%, gry, laminated, green and blk 10%, ls 20%, tan fn xln w/assoc. chert white to lt blue, fresh, opaque and subopaque
- 4430-4440 shales 60%, gry-green, gry, dk gry and blk 15%, ls tan fn xln, chert 20%+, white to lt gry, fresh, subopaque-opaque, sharp
- 4440-4450 chert lt gry-tan and white, fresh, translucent to opaque, equal amts of (Viola) ls tan fn xln, 5% w/bright sptd and even fluor wet, very small fine pinpoint beads light oil, shales 10%, gry
- 4450-4460 chert lt blue-tan fresh, subopaque-translucent w/lesser ls tan-cream fn and med xln some w/fluor along w/chert white, fresh, opaque, fossilif, 5% w/bright even fluor wet, very fine pinpoint beads oil on break, bright fluor dry, no odor, no cut, scattered sandy dolomite lt gry med xln w/sptd fluor, shales 10%, gry, gry-green
- 4460-4470 chert lt blue-tan fresh, subopaque-translucent w/lesser ls tan-cream fn and med xln some w/fluor along w/chert white, fresh, opaque, fossilif,

- 5% w/bright even fluor wet, very fine pinpoint beads oil on break, bright fluor dry, no odor, no cut, scattered sandy dolomite lt gry med xln w/sptd fluor, shales 10%, gry, gry-green
- 4474 C.F.S. 30" ls 80%, brn-tan fn xln, lesser sandy dolomitic ls fn and some med xln, chert 15%, tan, fresh, subopaque-translucent, lesser chert white, fresh, opaque, fossilif, 2-3% w/bright fluor, no odor, shales 10%+, gry-green, green
- 4474-4480 ls 80%, brn-tan fn xln, lesser sandy dolomitic ls fn and some med xln, chert 15%, tan, fresh, subopaque-translucent, lesser chert white, fresh, opaque, fossilif, 2-3% w/bright fluor, no odor, shales 10%+, gry-green, green
- 4480-4490 ls 70%, brn and tan fn xln, scattered sandy dolomite fn-med xln, chert 20%, tan and lt gry, fresh, subopaque-opaque, smooth, shales 10%, gry-green, gry, slightly pyritic
- 4490-4500 ls 60%, brn fn xln w/small amts dolomite tan fn xln-sucrosic, some fn-med xln, chert 20%, lt blue-lt gry, fresh, subopaque-translucent, shales 20%, gry, gry-green
- 4500-4510 ls 60%, brn fn xln w/small amts dolomite tan fn xln-sucrosic, some fn-med xln, chert 20%, lt blue-lt gry, fresh, subopaque-translucent, shales 20%, gry, gry-green
- 4516 C.F.S. 30" ls tan-cream fn xln, dn, smooth, lesser weathered w/assoc. chert 5%, lt blue, fresh, subopaque, shales 30%, gry-green, green, gry
- 4516 C.F.S. 45" ls tan-brn fn xln, dn, smooth, chert 10%, milky-lt blue, fresh, subopaque, shales 20%, gry-green, green, gry, ?? clear qtz 1-2%, grains and clustered, med-coarse grain, slightly included w/carb. material, NO SHOWS
- 4516 C.F.S. 60" ls tan-brn fn xln, dn, smooth, chert 10%, milky-lt blue, fresh, subopaque, shales 20%, gry-green, green, gry, ?? clear qtz 1-2%, grains and clustered, med-coarse grain, slightly included w/carb. material, NO SHOWS
- 4516-4522 ls brn fn and lesser med xln, lesser sandy dolomitic ls brn fn xln, chert 15%, lt gry-lt blue fresh, subopaque-opaque, sandstone 1%, lt gry, clear, fn and med grain, poorly sorted, tite, subangular-subbrnd, shales gry-green, green, dk gry and maroon
- 4522 C.F.S. 30" ls brn fn xln dn, smooth, lesser chert milky-lt blue, fresh, subopaque, NO SANDSTONE, shales 30%, gry, gry-green
- 4522 C.F.S. 45" shales 85%, gry, gry-green, ls and chert mixed w/sandstone 1-2%, lt gry-clear fn and med grain, subbrnd-subang, NO ODOR
- 4522 C.F.S. 60" shales green, gry-green, dk gry, ls 25%, tan-brn fn xln w/chert 10%, lt gry-lt blue, fresh, subopaque-opaque, sandstone 5%, white-lt gry, fn and med grain, fair sorted, subangular, no shows

CTCH for 60 minutes after DST 3

- 4522-4527 shales green, gry-green, drab some pyritic,
- 4527 C.F.S. 30" shales 60%, gry, lightly pyritic, ls tan fn xln w/scattered chert lt gry to tan fresh, subopaque
- 4527 C.F.S. 45" shales 90%, gry-green, gry w/maroon, slightly pyritic, spores thru-out, sandstone 1-2%, clear-lt gry, fn and med grain, rounded to



(Simpson subrnd, poorly sorted, friable, slightly included w/carb. material, **FAINT Sand) ODOR, dull sptd fluor wet and dry, fair and good shows light and tan live oil on break, FAST streaming cut w/bright blue milky residual halo, tan sptd stain**

4527 C.F.S. 60" shales 95%, gry-green, gry w/maroon, slightly pyritic, spores thru-out, sandstone 5%, clear-lt gry, fn and med grain, rounded to subrnd, poorly sorted, friable, slightly included w/carb. material, **FAINT ODOR, dull sptd fluor wet and dry, fair and good shows light and tan live oil on break, FAST streaming cut w/bright blue milky residual halo, tan sptd stain**

DID NOT CTCH AFTER DST 4

4527-4530 NO SAMPLE, sample trough gate left open

4530-4540 NO SAMPLE, NO CUTTING IN SAMPLE TROUGH

4540-4550 shales 98%, gry-green, green, maroon, silty, soft and clayey, sparse sandstone 1-2%, white-lt gry, fn grain, subrnd, vsl included, scattered chert white, fresh, opaque and qtz clear, med and coarse, subrnd

4550-4560 **fair-strong odor, sandstone 85%, lt gry-clear, fn and med w/some coarse grain, subrnd-round, poorly sorted, slightly included w/carb. material, some partly friable, good I.G. porosity, most w/fair shows tan live and dead oil and gas bubbles on break, very dull sptd fluor wet, NONE dry, tan sptd and even stain, fair milky cut, shales 15%, gry, gry-green**

4560-4570 **faint to fair odor, sandstone 80%, gry, fn and med grain, lesser coarse grain, slightly included, rounded, poorly sorted, fair I.G. porosity, loose qtz 15%, few pcs. w/very small oil and gas (dead), no flour wet or dry, no cut, shales 20%, gry, gry-green**

4570-4580 **faint odor, sandstone 90%, lt gry and tan fn and med w/lesser coarse grain, subrnd and rounded, poor thru good I.G. porosity, pr-fair friability, slightly included w/carb. material and slightly calc., slight tan stain, NO FLOUR wet or dry, scattered shows dk live and mostly dead oil, some good shows, shales 10%, gry, gry-green**


4580-4590 shales 80%, gry, gry-green, sandstone 20%, lt gry-clear, fn and med grain, poor-fair sorted, vsl included, decrease in porosity, NO SHOWS

4590-4600 **faint odor, sandstone 70%, mostly fn thru few coarse grain, clear, rounded, poorly sorted, poor to good friability and poor to some good I.G. porosity, scattered shows live and dead oil, sparsely sptd dull fluor wet and dry, tan stain, fast streaming cut, fair blue residual ring, shales 30%, gry, gry-green**

4600 C.F.S. 30" **faint odor, sandstone and loose qtz 50%, fn thru few coarse grain, clear, rounded, poorly sorted, poor to good friability and poor to some good I.G. porosity, scattered shows live and dead oil, sparsely sptd dull fluor wet and dry, tan stain, fast streaming cut, fair blue residual ring, shales 50%, gry, gry-green**

4600 C.F.S. 60" faint odor, sandstone and loose qtz 50%, fn thru few coarse grain, clear, rounded, poorly sorted, poor to good friability and poor to some good I.G. porosity, scattered shows live and dead oil, sparsely sptd dull fluor wet and dry, tan stain, fast streaming cut, fair blue residual ring, shales 50%, gry, gry-green

Respectfully Submitted;



Kenneth M. LeBlanc  
Petroleum Geologist  
September 23, 1998

McGinness Oil Company of Kansas, Inc.  
 Frieden #1  
 (3350 FSL & 4980 FEL, Sec.)  
 W/2 SW NW  
 Sec. 32-31S-12W  
 Barber County, Kansas

September 28, 1998

One (1) foot drilling time from 1750 feet to R.T.D.  
 \*-\*- denotes missing drill time

1750-1760	1-3-2-2-2-3-2-1-2-1	
1760-1780	2-2-1-1-2-1-1-1-1-2	2-2-3-2-3-1-2-1-2-2
1780-1800	2-2-1-1-1-1-2-1-1-2	1-2-2-1-2-2-2-2-2-2
1800-1820	2-2-3-2-2-2-2-2-2-2	1-2-1-2-2-1-2-2-1-2
1820-1840	2-2-3-2-2-2-2-2-3-3	2-2-2-1-2-2-1-2-2-1
1840-1860	1-2-1-1-1-1-1-1-1-1	1-1-2-2-1-1-2-1-2-1
1860-1880	2-1-1-2-1-2-1-1-1-1	2-1-2-2-1-2-1-1-1-2
1880-1900	1-1-2-1-2-1-1-1-1-1	1-1-1-2-1-2-2-2-2-2
1900-1920	1-1-1-1-1-1-1-1-1-1	1-1-1-1-1-1-1-2-1-1
1920-1940	1-1-1-1-1-1-2-1-1-1	2-2-1-2-2-1-1-2-1-2
1940-1960	1-2-2-1-1-1-1-1-1-1	2-1-2-1-2-1-2-2-1-1
1960-1980	2-1-2-2-2-2-1-2-1-1	1-1-1-1-2-1-2-2-2-1
1980-2000	2-1-2-2-2-2-2-2-2-2	2-2-3-1-2-2-2-1-2-2
2000-2020	1-1-2-1-2-1-2-1-2-1	2-2-1-2-1-1-2-1-1-1
2020-2040	1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
2040-2060	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
2060-2080	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-2-1-1-2	2-2-2-1-2-1-1-2-1-1
2080-2100	2-1-1-2-1-2-1-1-1-1	1-2-1-2-1-2-1-2-1-1
2100-2120	1-1-2-1-2-1-2-1-2-2	1-2-2-2-2-2-2-2-2-2
2120-2140	2-2-1-1-1-2-2-2-2-2	2-2-1-2-1-1-1-2-2-2
2140-2160	2-2-3-3-3-2-2-2-2-1	2-2-1-2-2-1-1-1-2-1
2160-2180	1-1-1-1-1-1-1-1-2-2	2-2-2-2-1-2-1-2-1-1
2180-2200	2-2-2-1-2-1-2-2-1-1	1-2-1-1-1-1-2-2-2-2
2200-2220	1-3-2-2-2-2-1-2-1-2	2-2-2-2-2-2-1-1-1-2
2220-2240	2-1-1-1-2-1-2-2-2-2	2-2-1-2-2-2-1-2-2-1
2240-2260	2-2-1-2-1-1-2-2-2-1	1-2-1-2-2-2-1-2-1-2
2260-2280	1-2-1-2-2-2-2-2-2-1	2-1-1-3-3-2-2-1-1-1
2280-2300	2-1-2-2-1-2-1-1-1-1	1-1-1-1-1-1-2-1-2-1
2300-2320	1-1-1-1-1-1-2-1-1-1	1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
2320-2340	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -2-1-2-4	2-1-1-1-1-1-1-2-2-1
2340-2360	1-1-2-2-2-1-2-1-1-1	1-1-1-1-1-1-2-2-2-1
2360-2380	1-2-2-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1	1-1-1-1-1-1-1-1-1-2
2380-2400	1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1	1-1-1-1-1-1-1-1-1-1
2400-2420	1-1-1-1-1-2-2-2-2-2	1-2-2-1-2-2-2-1-1-1
2420-2440	1-1-1-2-3-2-2-2-1-1	1-1-1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
2440-2460	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -2-2-3-3-2-2-2	2-2-2-2-3-4-1-2-2-1
2460-2480	2-1-1-2-2-1-1-1-1-1	2-2-1-4-2-2-2-1- $\frac{1}{2}$ - $\frac{1}{2}$
2480-2500	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1-2-2-1-1-1-1	2-2-2-2-1-2-2-2-2-1
2500-2520	2-2-3-2-1-2-2-2-2-2	2-1-1-2-2-1-1-2-2-2
2520-2540	2-2-2-2-3-2-1-2-2-1	1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-2-1-2-1
2540-2560	$\frac{1}{2}$ - $\frac{1}{2}$ -2-2-1-1-1-3-2-3	3-2-2-2-2-2-2-2-2-2
2560-2580	2-1-1-2-1-2-1-1-1-2	2-2-2-2-1-1-1-2-2-1
2580-2600	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-2-1-1-1	1-1-1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1

2600-2620	1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-1-1	1-1-1-1-1-1-1-1-1-1
2620-2640	1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1	$\frac{1}{2}$ - $\frac{1}{2}$ -1-2-2-2-1-2-2-2
2640-2660	3-1-2-1-1-2-2-2-2-2	2-2-1-2-2-2-1-1-2-1
2660-2680	2-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ -1-1-1-2-1-1-2- $\frac{1}{2}$ - $\frac{1}{2}$
2680-2700	2-2-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1	1-1-1-1-1-2-1-1-2-1
2700-2720	1-1-1-1-2-2-1-1-2-1	1-1-1-1-2-1-1-1-1-2
2720-2740	1-1-2-2-3-3-2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-2	2-1-2-2-1-2-1-2-1-2
2740-2760	1-1-1-2-1-2-1-1-1-2	1-2-1-1-1-2-1-1-2-1
2760-2780	1-2-1-1-1-1-1-1-1-1	1-2-2-1-1-1-2-2-2-2
2780-2800	2-3-2-2-2-1-2-1-1-1	1-2-1-1-1-1-3-2-2-2
2800-2820	2-1-2-1-1-1-1-2-2-3	2-2-1-1-1-3-1-2-3-3
2820-2840	3-2-2-2-2-2-1-2-1-1	2-2-2-2-1-1-1-2-2-2
2840-2860	2-2-2-2-2-2-2-3-2-2	2-3-3-2-3-2-3-2-3-3
2860-2880	3-3-3-2-2-2-2-3-2-2	2-2-2-2-2-2-2-2-2-2
2880-2900	2-3-2-3-2-2-1-2-1-2	2-2-2-2-2-2-1-1-1-1
2900-2920	1-1-2-1-1-1-1-1-2-1	2-2-2-2-2-2-2-3-2-2
2920-2940	2-2-1-2-2-2-3-2-2-2	2-2-2-2-1-2-2-3-2-2
2940-2960	1-2-1-1-1-1-2-2-2-2	2-2-2-2-1-1-2- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
2960-2980	$\frac{1}{2}$ -1-1-2-1-2-2-1-1-1	1-1-1-1-1-1-1-2-2-2
2980-3000	2-2-1-1-1-1-2-2-2-1	1-2-1-1-2-1-2-1-2-1
3000-3020	2-2-1-2-1-1-1-2-2-2	2-1-2-1-2-2-1-1- $\frac{1}{2}$ - $\frac{1}{2}$
3020-3040	1-1-1-1-1-1-2-2-2-2	3-3-2-2-3-2-2-2-1-2
3040-3060	2- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1
3060-3080	1-1-1-1-1-2-2-1-2-1	1-2-1-2-1-2-2-1-2-1
3080-3100	1-2-2-2-2-3-2-2-2-2	2-2-2-2-2-2-3-2-2-2
3100-3120	2-2-2-3-2-2-2-3-2-2	2-2-2-2-2-2-2-2-2-2
3120-3140	2-2-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	1-1-1-1-1-2-1-1-2-2
3140-3160	1-1-1-2-1-2-1-1-2-2	2-2-3-2-2-3-2-3-3-3
3160-3180	3-2-3-2-3-2-3-3-3-2	2-1-2-2-2-2-2-2-2-2
3180-3200	2-1-1-2-2-2-2-2-2-3	2-3-2-2-2-2-3-2-2-2
3200-3220	2-2-3-2-2-2-2-1-2-3	2-2-2-1-2-3-1-2-2-2
3220-3240	2-1-1-2-1-2-1-1-1-2	1-1-1-1-2-1-1-1-1-1
3240-3260	2-2-1-1-1-1-1-1-1-1	1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-1-1-1
3260-3280	1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1	1-1-1-1-1-1-1-1-1-1
3280-3300	1-1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1	1-1-1-2-2-1-2-2-2-2
3300-3320	1-2-2-2-3-3-1-1-1-1	2-2-3-2-3-2-2-3-2-1
3320-3340	2-3-2-1-2-2-3-2-2-2	2-1-1-1-1-2-2-2-1-1
3340-3360	1-1-1-1-1-1-1-1-1- $\frac{1}{2}$	$\frac{1}{2}$ -1-1-1-1-1-1-1-1-1
3360-3380	1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1	1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-1
3380-3400	1-1-2-1-1-2-1-1-2-1	1-1-2-1-1-1-1-1-1-1
3400-3420	1-2-1-1-1-1-1-1-1-2	2-1-1-2-1-1-1-1-1-1
3420-3440	2-2-1-2-1-1-2-1-2-1	2-1-2-1-2-1-2-1-1-2
3440-3460	1-2-1-2-3-4-3-1-1-2	1-3-2-2-2-2-2-2-1-1
3460-3480	2-2-2-2-2-2-1-1-2-2	2-2-2-2-3-1-2-2-1-1
3480-3500	2-1-1-1-2-3-1-2-2-3	2-2-2-1-2- $\frac{1}{2}$ - $\frac{1}{2}$ -2-2-1
3500-3520	3-2-2-1-1-2-2-1-3-2	2-2-3-1-1-2-2-1-1-1
3520-3540	1-2-2-2-3-2-2-1-2-1	1-1-1-2-1-2-1-1-1-2
3540-3560	1-1-1-1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$	1-1-1-1-1-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$
3560-3580	1-1-2-2-2- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ -1-1- $\frac{1}{2}$

3580-3600	1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-2-2-2-2
3600-3620	1-2-2-1-2-2-2-1-2-2	1-2-2-1-2-1-2-2-1-2
3620-3640	2-1-2-3-2-3-2-2-2-2	2-2-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-2-1-2
3640-3660	2-2-2-2-2-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-1- $\frac{1}{2}$
3660-3680	$\frac{1}{2}$ -2-2-2-2-2-1-1-1-1	2-1-2-1-1-1-1-1-1-1
3680-3700	2-3-3-3-2-2-1-2-2-3	2-2-2-2-2-1-1-2-2-2
3700-3720	3-2-2-1-2-2-3-3-2-3	2-2-2-2-2-3-2-3-2-2
3720-3740	2-2-2-2-2-2-2-1-1-1	1-1-1-1-1-2-1-1-1-2
3740-3760	1-2-2-1-2-2-2-1-1-2	3-2-2-3-2-2-2-2-2-2
3760-3780	2-3-2-3-2-3-4-3-3-2	3-3-3-3-2-3-3-3-2-2
3780-3800	3-3-3-2-3-2-3-3-3-2	3-3-3-2-3-3-3-3-2-3
3800-3820	3-3-2-2-3-2-3-2-3-3	2-3-2-3-2-3-3-3-3-2
3820-3840	2-1-3-2-2-1-2-2-3-2	3-3-3-3-2-2-2-2-2-2
3840-3860	3-4-3-2-2-2-3-2-3-2	2-2-2-3-3-3-3-4-2-3
3860-3880	3-1-1-3-2-3-3-3-2-2	2-3-2-1-1-1-1-1-1-1
3880-3900	1-2-3-4-2-3-3-4-3-3	2-3-4-3-3-3-3-2-3-3
3900-3920	3-3-3-2-2-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1 $\frac{1}{2}$ - $\frac{1}{2}$
3920-3940	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -2-3-3-4-4	2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-3-3-3-3-3
3940-3960	3-2-1-1-1-1-1-1-1-1	1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-3-3-4-3-4-4
3960-3980	4-3-4-4-4-3-4-4-3-4	4-4-4-4-4-3-4-3-3-3
3980-4000	4-4-3-3-4-3-3-4-3-4	4-3-4-3-4-3-4-4-3-4
4000-4020	3-2-2-3-2-3-4-3-4-4	3-3-3-2-1-3-1-1-1-2
4020-4040	3-2-2-2-2-2-3-3-4-3	3-4-4-4-3-1-3-3-3-1
4040-4060	3-1-2-1-1-2-2-2-1-2	1-1-1-1-1-1-2-2-3-2
4060-4080	2-2-2-3-2-2-3-4-4-3	2-3-2-1-1-2-2-4-3-4
4080-4100	3-4-4-2-3-3-1-2-2-3	5-3-3-4-5-4-3-4-4-4
4100-4120	3-4-4-4-5-3-4-4-4-5	4-4-4-4-1-1-1-3-4-4
4120-4140	4-3-5-4-4-5-4-4-4-3	4-3-4-4-4-3-4-3-4-4
4140-4160	5-3-3-3-4-2-2-3-2-3	3-4-3-5-4-3-4-5-4-3
4160-4180	4-4-3-4-4-4-3-4-4-5	4-4-4-4-4-5-3-3-3-3
4180-4200	4-3-4-3-4-4-4-4-4-3	2-4-4-4-3-4-2-2-2 $\frac{1}{2}$ -1 $\frac{1}{2}$
4200-4220	2-1-2-1-1-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	1 $\frac{1}{2}$ -2-2-2-2-1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-2
4220-4240	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2-2-2-2-2-2-2	2-3-3-3-5-3-3-3-4-3
4240-4260	4-4-4-4-4-4-4-5-4-4	4-4-4-4-3-4-3-4-4-3
4260-4280	4-3-4-3-3-2-2-1-1-2	1-1-1-1-2-1-1-2-4-3
4280-4300	4-3-4-3-3-4-4-4-3-4	3-4-4-4-4-4-4-3-3-4
4300-4320	5-4-4-4-5-4-5-4-5-4	4-5-3-4-4-5-3-3-4-4
4320-4340	4-4-4-4-4-4-4-4-4-4	4-4-3-3-4-5-3-4-4-3
4340-4360	3-4-4-4-4-3-3-2-3-2	3-3-2-3-3-3-3-3-2-3
4360-4380	4-3-3-3-3-3-3-2-3-3	3-3-3-4-3-3-3-3-2-3
4380-4400	3-3-3-3-3-3-2-3-3-3	3-3-3-3-3-3-3-4-3-4
4400-4420	3-3-2-2-2-2-2-3-3-3	2-3-3-2-2-2-2-3-2-3
4420-4440	2-3-2-2-2-3-3-2-3-2	2-2-2-2-3-4-3-3-3-3
4440-4460	2-3-3-2-3-2-3-3-3-3	4-3-3-3-4-5-3-4-3-4
4460-4480	4-4-3-4-4-4-4-4-4-4	3-3-3-4-3-3-1-5-6-5
4480-4500	4-4-4-4-4-4-3-3-4-4	3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -4-4-4-3-4-3-3-3
4500-4520	4-3-3-3-3-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-4	4 $\frac{1}{2}$ -5-4 $\frac{1}{2}$ -3 $\frac{1}{2}$ -3-3 $\frac{1}{2}$ -3 $\frac{1}{2}$ -4 $\frac{1}{2}$ -4-3 $\frac{1}{2}$
4520-4540	1 $\frac{1}{2}$ -3-2-1-1-1-1-1-1-1	1-1-1-1-1-1-1-1-1-1
4540-4560	2-1-1-2-1-1-2-2-3-2	4-2-2-3-3-3-2-2-3-1

McGinness Oil Company of Kansas, Inc.  
Frieden #1

Page Four

4560-4580 1-2-2-1-2-2-2-5-5-4  
4580-4600 7-7-4-5 $\frac{1}{2}$ -5-5-5-5-5

3-4-5-4-2-1-2-3-7-8  
6-5-5-5-6-6-5-6-5-4 $\frac{1}{2}$  RTD 4600

DST 1) 3115 - 3273 (Howard Ls)

Times: 30-30-30-30

1st open: strong blow off bottom of bucket in 15 seconds  
(bled off for 10 minutes, NO BLOW BACK)

2nd open: strong blow of bottom of bucket in 1 minute, backed off to 6" in  
bucket

Rec: NO GAS IN PIPE

60' SWCM (20% wtr, 80% mud)

2767' WCM (80% wtr, 20% mud)

60' SW (100%wtr)

---

2887' total fluid

RW of formation water: 0.09 at 94 degrees F  
Chlorides of formation water: 96,000 PPM  
Chlorides of Mud System: 6,200 PPM

AK-1		Alpine		— RECORDERS
(mechanical)		(electronic)		
IHYD: 1478	psi	IHYD: 1476	psi	
IFP: 1236-1296	psi	IFP: 1232-1402	psi	
IBHP: 1427	psi	IBHP: 1421	psi	
FFP: 1438-1448	psi	FFP: 1420-1427	psi	
FBHP: 1448	psi	FBHP: 1428	psi	
FHYD: 1559	psi	FHYD: 1428	psi	

TEMP: 125 degrees F

Bottom Sampler - NONE

Tester: Darren Amerine, Trilobite Testing L.L.C., Pratt, Kansas

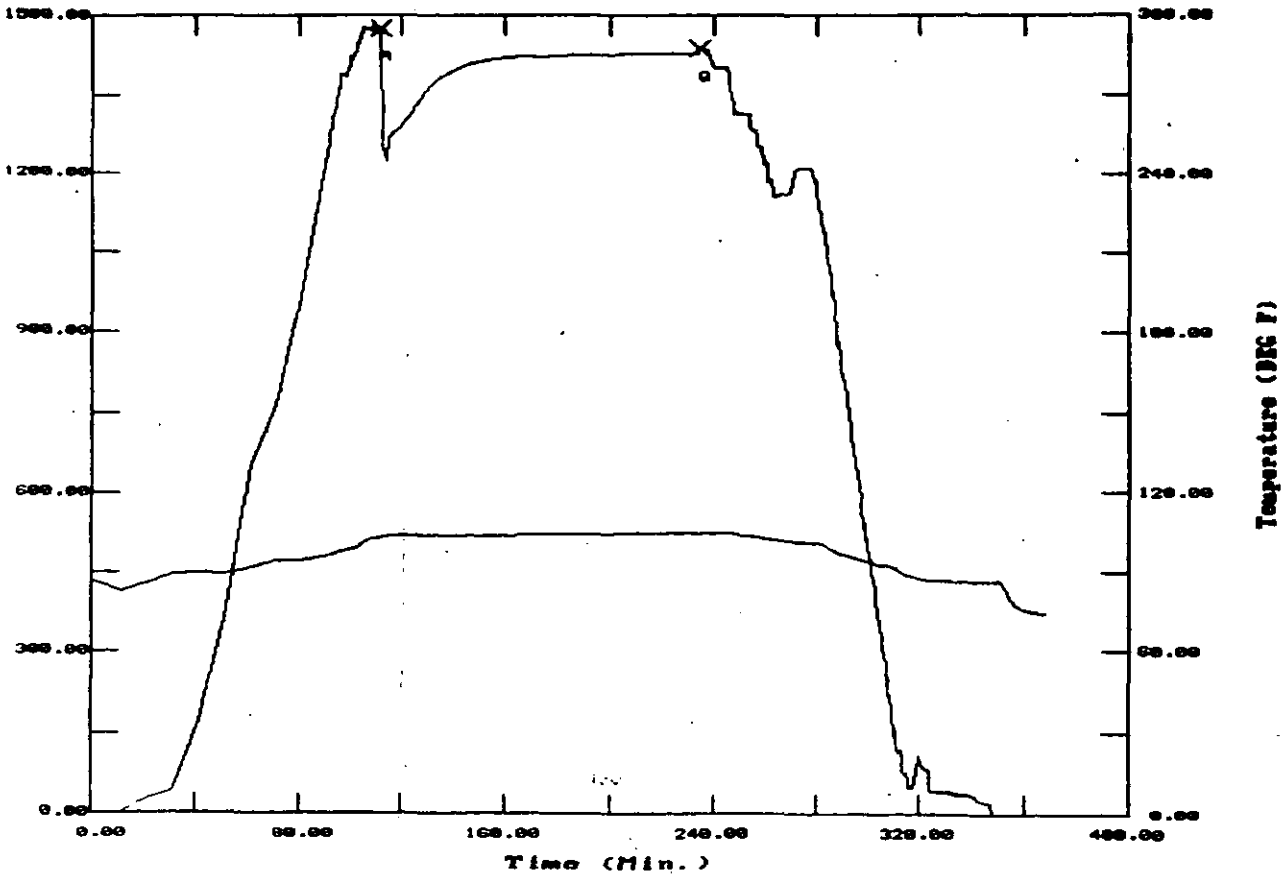
Note: DST to evaluate loss circulation zone in Howard Ls (dual packers,  
safety joint, jars, NO bottom sampler, electronic recorders, circulating  
sub)

1) packers DID NOT HOLD

# TEST HISTORY

X#11853 DST#1 Frieden#1 McGinness Oil, Co. of

	Flag Points
(Min.)	(K PSig)
01	0.00 1475.75
02	0.00 1438.48



DST 1 - Chart



TRILOBITE TESTING L.L.C.

OPERATOR : McGinness DATE 09/18/199  
 WELL NAME: Frieden #1 KB 1539.00 ft TICKET NO: 11853 DST #1  
 LOCATION : sec.32 Twp.31s GR 1534.00 ft FORMATION: Topeka  
 INTERVAL : 3115.00 To 3273.00 ft TD 3273.00 ft TEST TYPE: CONVETIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2357			PF Fr. 2258 to 2328 hr
SI 30 Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2328 to 2358 hr
SF 30 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2358 to 0058 hr
FS 30 Depth(ft )	3270.0	3270.0	3252.0	0.0	0.0	FS Fr. 0058 to 0028 hr

	Field	1	2	3	4	
A. Init Hydro	1478.0	0.0	1476.0	0.0	0.0	T STARTED 2036 hr
B. First Flow	1236.0	0.0	1232.0	0.0	0.0	T ON BOTM 2255 hr
B1. Final Flow	1296.0	0.0	1402.0	0.0	0.0	T OPEN 2258 hr
C. In Shut-in	1427.0	0.0	1421.0	0.0	0.0	T PULLED 0028 hr
D. Init Flow	1438.0	0.0	1420.0	0.0	0.0	T OUT 0230 hr
E. Final Flow	1448.0	0.0	1427.0	0.0	0.0	
F. Fl Shut-in	1448.0	0.0	1428.0	0.0	0.0	
G. Final Hydro	1559.0	0.0	1428.0	0.0	0.0	
Inside/Outside	0		I			

RECOVERY

Tot Fluid 2887.00 ft of 238.00 ft in DC and 2649.00 ft in DP  
 60.00 ft of SWCM 20%water 80%mud  
 2767.00 ft of WCM 80%water 20%mud  
 60.00 ft of Salt water 100%water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 96000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA-----  
 Tool Wt. 2100.00 lbs  
 Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 65000.00 lbs  
 Initial Str Wt 52000.00 lbs  
 Unseated Str Wt 64000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 238.00 ft  
 D.P. Length 3109.00 ft

BLOW DESCRIPTION

IF:Strong blow b.o.b in 15 sec.

ISI:Bled down for 10 mins.no bb.

FF:Strong blow b.o.b in 1 min.

FSI:Bled down for 10 mins no bb.

SAMPLES:

SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 8.70 lb/cf  
 Vis. 42.00 S/L  
 W.L. 11.00 in3  
 F.C. 0.32 in  
 Mud Drop N

Amt. of fill 0.00 ft  
 Btm. H. Temp. 125.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren Amerine  
 Co. Rep. Doug  
 Contr. Pickrell  
 Rig # 1  
 Unit # no  
 Pump T. none

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVETIONAL

WELL NAME: Frieden #1

LOCATION : sec.32 Twp.31s

TICKET No. 11853 D.S.T. No. 1 DATE 09/18/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 33

TOTAL TOOL ..... 61

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single Total 125

TOTAL ASSEMBLY ..... 186

D.C. ABOVE TOOLS.Stands4 Single Total 238

D.P. ABOVE TOOLS.Stands40 Single Total 3109

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3295

TOTAL DEPTH ..... 3273

TOTAL DRILL PIPE ABOVE K.B. .... 22

REMARKS:

P.O. SUB Top of tool @	3088
C.O. SUB	3089
S.I. TOOL	3094
HMV	3099
JARS	3104
SAFETY JOINT	3106
PACKER	3110
PACKER	3115
DEPTH 3115	
STUBB 1'to	3116
ANCHOR 5' of perms.to	3121
	3121
	3121
T.C. DEPTH	
124'of drillpipe	3245
Alpine rec.@3252 23'of perms.to	3268 3268
Ak-1 rec.@ 3270	
BULLNOSE 5'bullnose to T.D.	3273

DST 2) 3890 - 3910 (KC Drum)

Times: 30-30-30-30

1st open: weak blow building to 2" in bucket  
(bled off for 10 minutes, NO BLOW BACK)

2nd open: weak blow building to 1/4" in bucket  
(NO BLOW BACK)

Rec: NO GAS IN PIPE  
120' WCM (50% wtr, 50% mud)  
120' total fluid

RW of formation water: 0.21 at 80 degrees F  
Chlorides of formation water: 32,000 PPM  
Chlorides of Mud System: 4,000 PPM

<u>AK-1</u> (mechanical)	<u>Alpine</u> (electronic)	<u>-- RECORDERS</u>
IHYD: 1957 psi	IHYD: 1852 psi	
IFP: 61-20 psi	IFP: 20-43 psi	
IBHP: 1498 psi	IBHP: 1488 psi	
FFP: 111-132 psi	FFP: 57-71 psi	
FBHP: 1498 psi	FBHP: 1485 psi	
FHYD: 1906 psi	FHYD: 1817 psi	

TEMP: 114 degrees F

Bottom Sampler - NONE

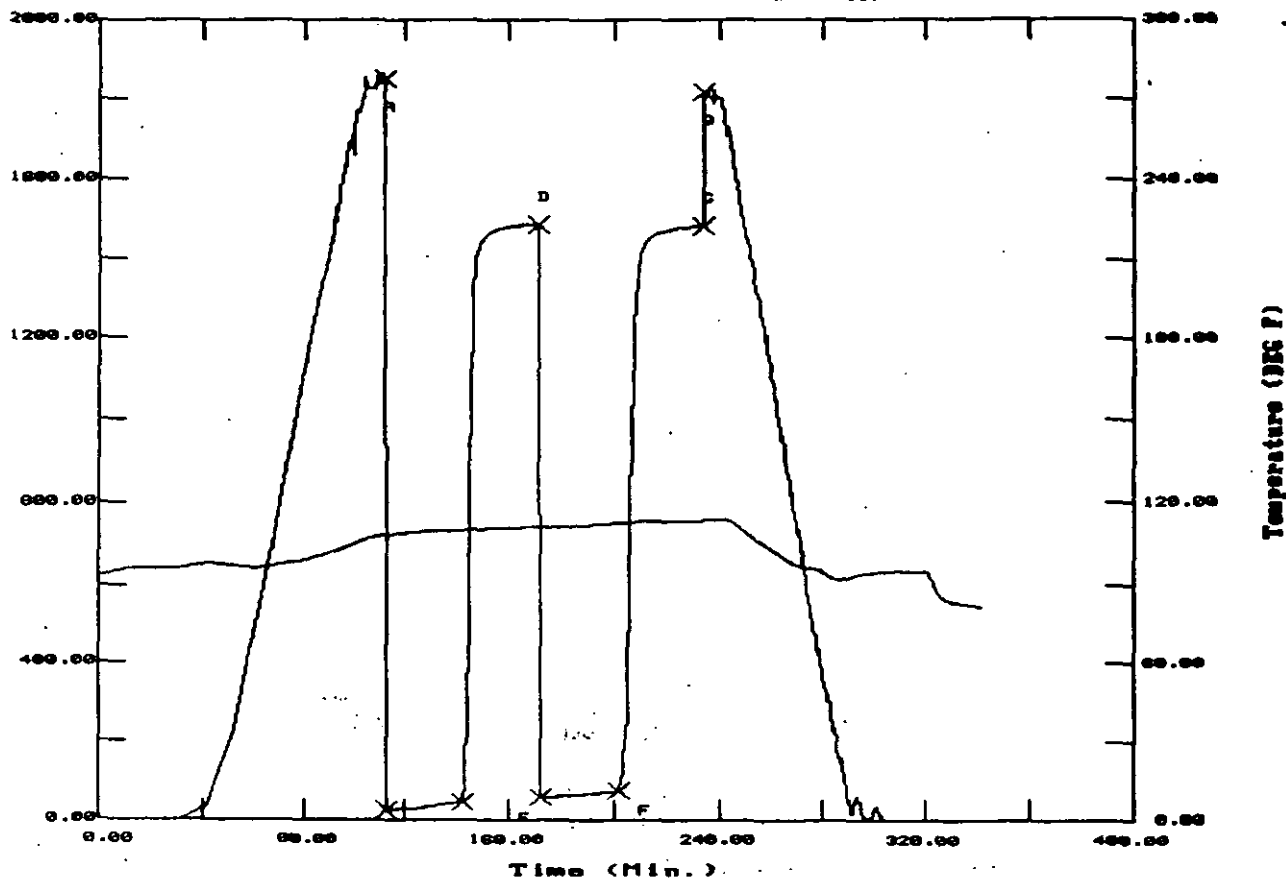
Tester: Darren Amerine, Trilobite Testing L.L.C., Pratt, Kansas

**Note:** (dual packers, safety joint, jars, NO bottom sampler, electronic recorders, circulating sub)

# TEST HISTORY

011854 DST22 Frieden St McGinness Oil, Co. of

	Flag Points
(Min.)	(K PSig)
A	0.00 1831.00
B	0.00 20.41
C	29.00 42.90
D	29.00 1400.41
E	0.00 50.00
F	29.00 70.00
G	32.00 1404.00
H	0.00 1810.59



DST 2 - Chart

OPERATOR : McGinness Oil, Co. of Ks.  
 WELL NAME: Frieden #1  
 LOCATION : Sec. 32 Twp. 31s Rge, 12w  
 INTERVAL : 3890.00 To 3910.00 ft

DATE 09/20/199

KB 1539.00 ft TICKET NO: 11854 DST #2  
 GR 1534.00 ft FORMATION: Drum  
 TD 3910.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	2357			PF Fr. 2013 to 2043 hr
SI 30	Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2043 to 2113 hr
SF 30	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2113 to 2143 hr
FS 30	Depth(ft )	3907.0	3907.0	3896.0	0.0	0.0	FS Fr. 2143 to 2213 hr

	Field	1	2	3	4	
A. Init Hydro	1957.0	0.0	1852.0	0.0	0.0	T STARTED 1820 hr
B. First Flow	61.0	0.0	20.0	0.0	0.0	T ON BOTM 2011 hr
Bl. Final Flow	81.0	0.0	43.0	0.0	0.0	T OPEN 2013 hr
C. In Shut-in	1498.0	0.0	1488.0	0.0	0.0	T PULLED 2213 hr
D. Init Flow	111.0	0.0	57.0	0.0	0.0	T OUT 2330 hr
E. Final Flow	132.0	0.0	71.0	0.0	0.0	
F. Fl Shut-in	1498.0	0.0	1485.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1906.0	0.0	1817.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0		I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP  
 120.00 ft of WCM 50%Mud 50%Water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 32000.00 P.P.M. A.P.I. Gravity 0.00

Wt Pulled Loose 60000.00 lbs  
 Initial Str Wt 54000.00 lbs  
 Unseated Str Wt 54000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 238.00 ft  
 D.P. Length 3544.00 ft

MUD DATA-----

Mud Type Chemical  
 Weight 9.10 lb/cf  
 Vis. 56.00 S/L  
 W.L. 12.00 in3  
 F.C. 0.32 in  
 Mud Drop Y 60.0 ft

BLOW DESCRIPTION

IF:Weak blow built to 2ins.in H2O.

ISI:Bled down for 2 mins.no bb.

FF:Weak blow built to 1/4 ins.in H2O.

FSI:Bled down for 10 mins.no bb.

Amt. of fill 0.00 ft  
 Btm. H. Temp. 114.00 F  
 Hole Condition fair  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 0  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren Amerine  
 Co. Rep. Doug McGinness  
 Contr. picker11  
 Rig # 1  
 Unit # none  
 Pump T. no

SAMPLES:

SENT TO:

Test Successful: Y

DST 3) 4480 - 4522 (Simpson Sand)

Times: 30-60-30-60

1st open: weak surface blow died in 14 minutes  
(NO BLOW BACK)

2nd open: NO BLOW

Rec: NO GAS IN PIPE

10' VSWCM (2% wtr, 98% mud)

10' total fluid

Chlorides of Mud System: 4,000 PPM

<u>AK-1</u>		<u>Alpine</u>	<u>-- RECORDERS</u>
(mechanical)		(electronic)	
IHYD: 2348	psi	IHYD: 2214	psi
IFP: 41-51	psi	IFP: 22-20	psi
IBHP: 152	psi	IBHP: 133	psi
FFP: 41-41	psi	FFP: 23-22	psi
FBHP: 71	psi	FBHP: 46	psi
FHYD: 2278	psi	FHYD: 2180	psi

TEMP: 122 degrees F

Bottom Sampler - NONE

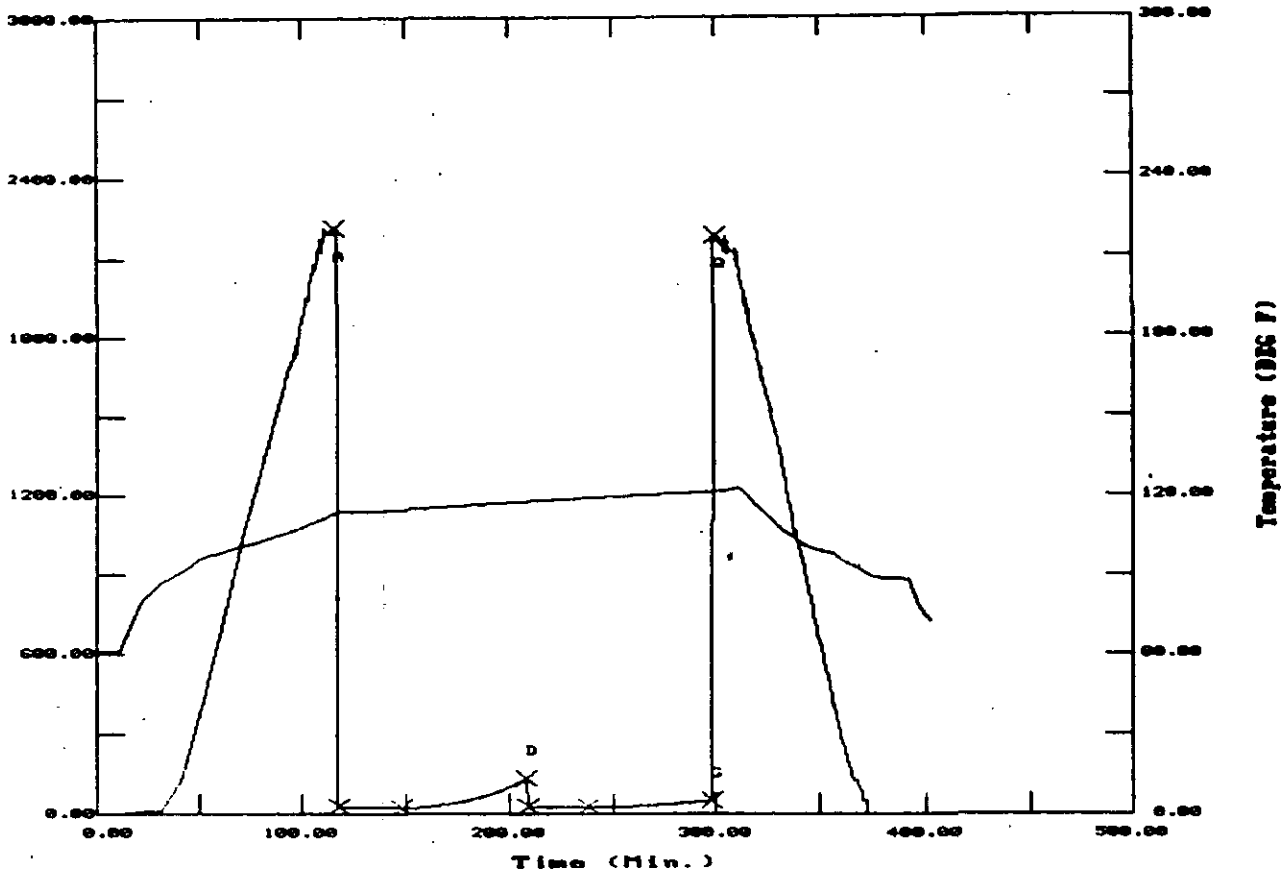
Tester: Darren Amerine, Trilobite Testing L.L.C., Pratt, Kansas

**Note:** (dual packers, safety joint, jars, NO bottom sampler, electronic recorders, circulating sub)

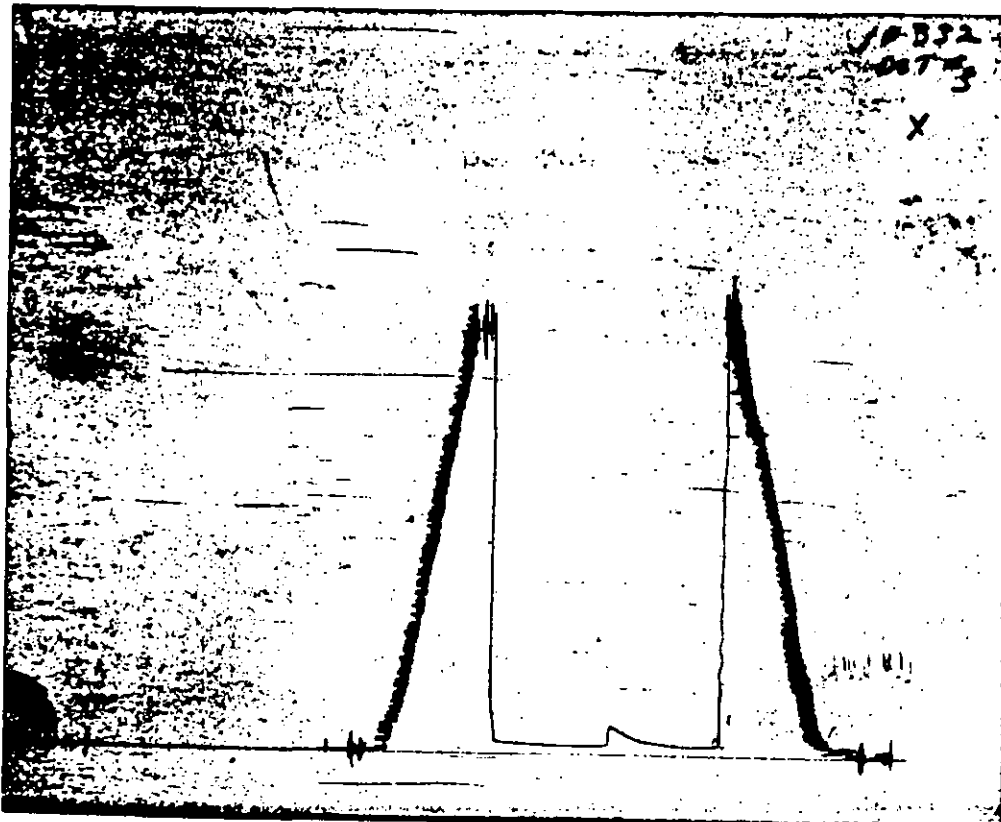
# TEST HISTORY

#11855 DST#3 Frieden #1 McGinness Oil, co. of

	(Min.)	Flag Points K (PSIG)
H1	0.00	2219.70
H1	0.00	21.83
C1	30.00	20.43
D1	60.50	132.50
E1	0.00	23.24
F1	29.50	22.11
G1	60.50	40.11
Q1	0.00	2179.07



DST 3 - Chart (electronic)



DST 3 - Chart (mechanical)

TRILOBITE TESTING L.L.C.

OPERATOR : McGinness Oil,co.of Ks.  
 WELL NAME: Frieden  
 LOCATION : Sec. 32 Twp. 31s Rge. 12w  
 INTERVAL : 4480.00 To 4522.00 ft

DATE 09/22/199  
 KB 1539.00 ft  
 GR 1534.00 ft  
 TD 4522.00 ft  
 TICKET NO: 11855  
 FORMATION: Simpson  
 TEST TYPE: CONVENTIONAL  
 DST #3

RECORDER DATA

Mins		Field				TIME DATA	
PF	Rec.	1	2	3	4	PF	Fr.
30		10332	10332	2357		1947	to 2017
SI	Range(Psi)	4025.0	4025.0	4995.0	0.0	IS	Fr. 2017 to 2117
SF	Clock(hrs)	12hr.	12hr.	elec.		SF	Fr. 2117 to 2247
FS	Depth(ft)	4519.0	4519.0	4492.0	0.0	FS	Fr. 2147 to 2247

		Field			
		1	2	3	4
A.	Init Hydro	2348.0	2214.0		
B.	First Flow	41.0	22.0		
B1.	Final Flow	51.0	20.0		
C.	In Shut-in	152.0	133.0		
D.	Init Flow	41.0	23.0		
E.	Final Flow	41.0	22.0		
F.	Fl Shut-in	71.0	46.0		
G.	Final Hydro	2278.0	2180.0		
	Inside/Outside	0	I		

T STARTED 1748 hr  
 T ON BOTM 1945 hr  
 T OPEN 1947 hr  
 T PULLED 2247 hr  
 T OUT 0000 hr

TOOL DATA

Tool Wt.	2100.00	lbs
Wt Set On Packer	20000.00	lbs
Wt Pulled Loose	65000.00	lbs
Initial Str Wt	60000.00	lbs
Unseated Str Wt	60000.00	lbs
Bot Choke	0.75	in
Hole Size	7.88	in
D Col. ID	2.25	in
D. Pipe ID	3.80	in
D.C. Length	238.00	ft
D.P. Length	4236.00	ft

RECOVERY  
 Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP  
 10.00 ft of VSWCM 98% Mud 2% water

0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

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

BLOW DESCRIPTION

IF:Weak surface blow died in 14 mins.

ISI:No bb.

FF:No blow.

FSI:No bb.

SAMPLES:

SENT TO:

MUD DATA

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	51.00 S/L
W.L.	9.00 in <sup>3</sup>
F.C.	0.32 in
Mud Drop Y	60.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren Amerine
Co. Rep.	Ken LaBlanc
Contr.	Pickrell
Rig #	1
Unit #	no
Pump T.	none

Test Successful: Y



\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Frieden  
 LOCATION : Sec.32 Twp.31s Rge.12w  
 TICKET No. 11855 D.S.T. No. 3 DATE 09/22/199  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 42  
 TOTAL TOOL ..... 70  
 DRILL COLLAR ANCHOR IN INTERVAL .....  
 D.C. ANCHOR STND.Stands Single Total  
 D.P. ANCHOR STND.Stands Single Total  
 TOTAL ASSEMBLY .....  
 D.C. ABOVE TOOLS.Stands4 Single Total 238  
 D.P. ABOVE TOOLS.Stands69 Single Total 4236  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4544  
 TOTAL DEPTH ..... 4522  
 TOTAL DRILL PIPE ABOVE K.B. .... 22

REMARKS:

P.O. SUB Top of tool @	4453
C.O. SUB	4454
S.I. TOOL	4459
HMV	4464
JARS	4469
SAFETY JOINT	4471
PACKER	4475
PACKER	4480
DEPTH 4480	
STUBB 1' to	4481
ANCHOR 5' of perfs. to	4486
Alpine rec.@ 4492	
T.C DEPTH	
31' of perfs.to	4486
Ak-1 rec.@ 4519	4517
BULLNOSE 5' bullnose to	4522
T.D.	

DST 4) 4500 - 4527 (Simpson Sand)

Times: 30-60-30-60

1st open: weak blow building to 1½" in bucket  
(bled off for 5 minutes, NO BLOWBACK)

2nd open: weak blow built to 1/4" in bucket  
(bled off for 5 minutes, NO BLOWBACK)

Rec: NO GAS IN PIPE

40' SOCM (10% oil, 90% mud)

50' VSOCMW (10% oil, 30% wtr, 60% mud)

90' total fluid

Resistivity of formation water: 0.31 at 88 degrees F

Chlorides of formation water: 19,000 PPM

Chlorides of mud system: 5,000 PPM

<u>AK-1</u> (mechanical)		<u>Alpine</u> (electronic)	<u>-- RECORDERS</u>
IHYD: 2388	psi	IHYD: 2241	psi
IFP: 20-30	psi	IFP: 21-35	psi
IBHP: 1671	psi	IBHP: 1677	psi
FFP: 51-61	psi	FFP: 45-60	psi
FBHP: 1661	psi	FBHP: 1656	psi
FHYD: 2288	psi	FHYD: 2159	psi

TEMP: 124 degrees F

Bottom Sampler

Sampler Recovery

Gas: NONE

Oil: trace

H2O: 1200 ml

Mud: 2800 ml

Tot Fluid: 4000 ml

Pressure: 150 psi

Pit Mud Analysis

Chlorides: 5000 PPM

Viscosity: 45 sec/qt

Mud Weight: 9.0 lb/gal

Water Loss: 9.0 cc

LCM: 3.0 lb/gal

Sampler Analysis

Chlorides: 27000 PPM

Resistivity: 0.2 ohms at 88 deg F

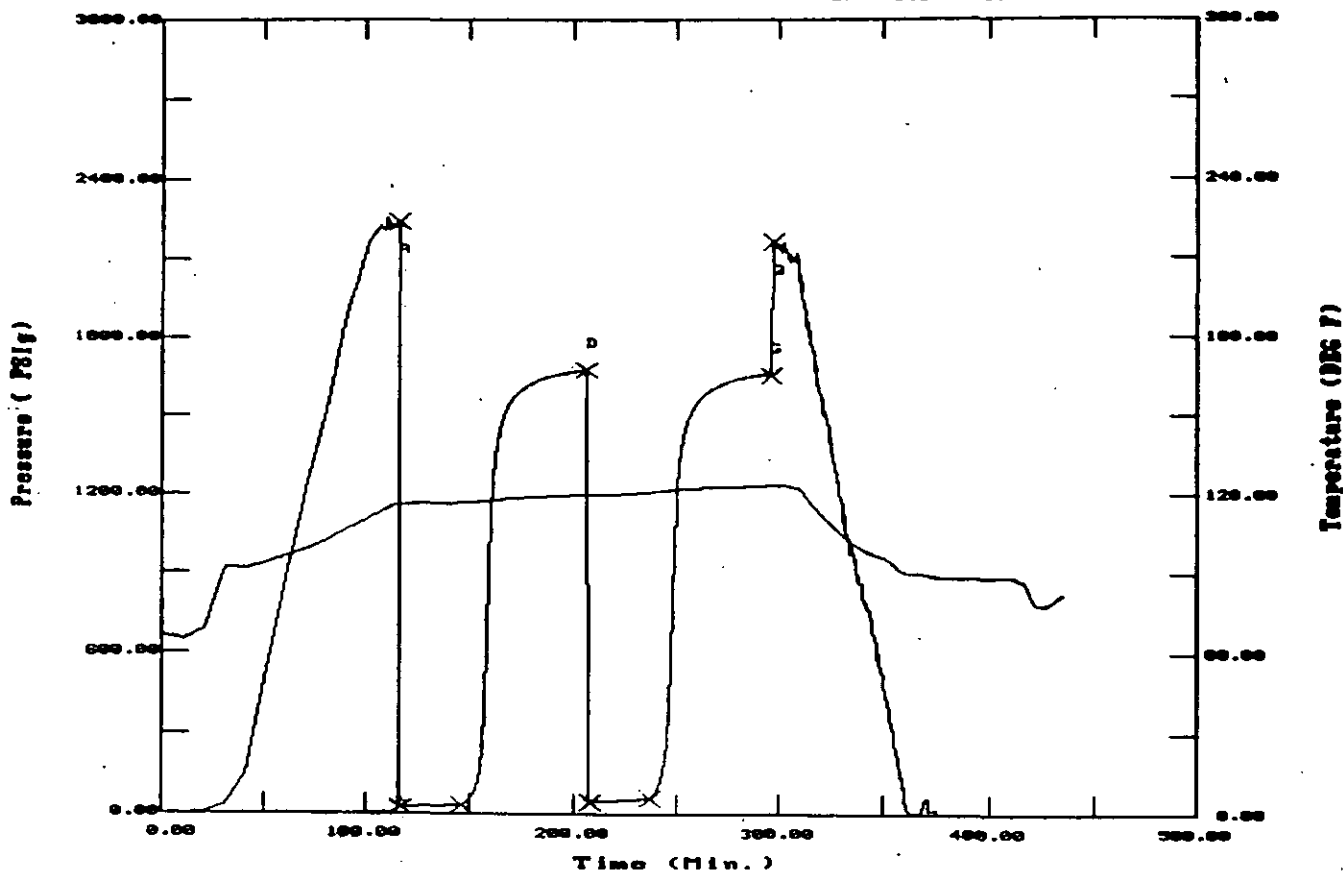
Tester: Darren Amerine, Trilobite Testing L.L.C., Pratt, Kansas

**Note:** (dual packers-top, safety joint, jars, bottom sampler, electronic recorders, circulating sub)

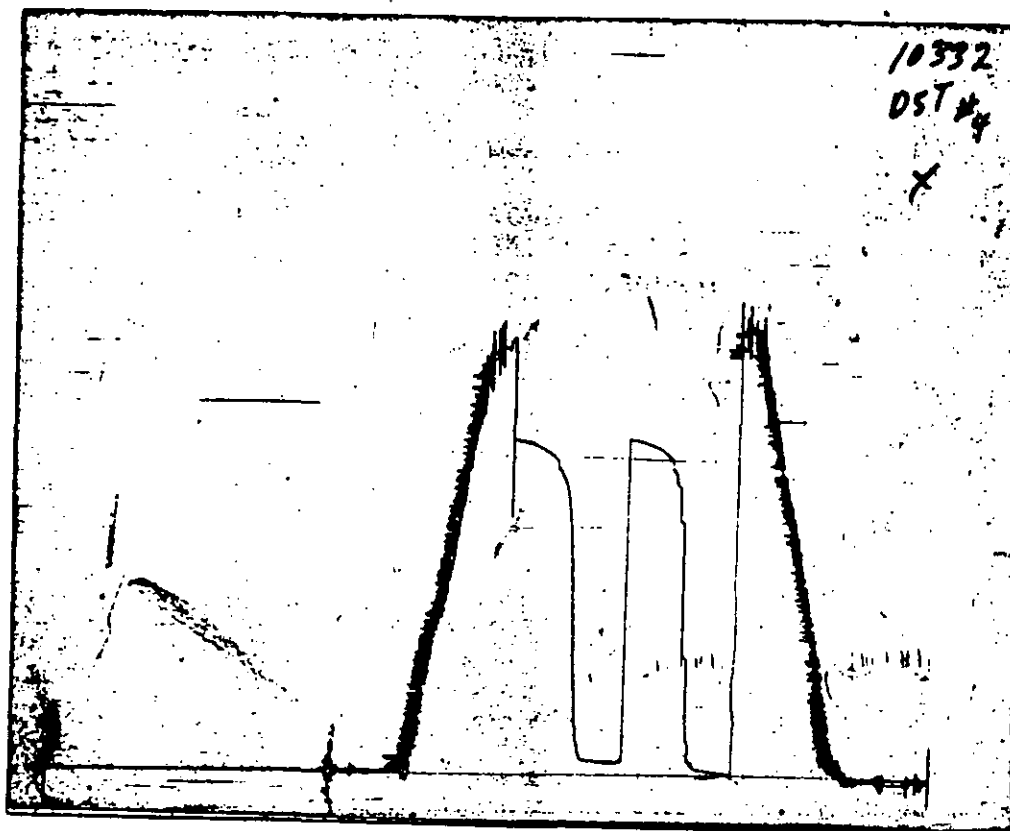
# TEST HISTORY

TK811856 DST#4 Frieden #1 McGinness Oil, co. of

	Flag Points (Min.)	PC PSIG
A1	0.00	2248.93
B1	0.00	28.83
C1	29.58	34.91
D1	59.58	1877.39
E1	0.00	48.39
F1	29.58	59.69
G1	59.58	1858.98
Q1	0.00	2159.22



DST 4 - Chart (electronic)



DST 4 - Chart (mechanical)

TRILOBITE TESTING L.L.C.

OPERATOR : McGinness oil,co.of Ks.

DATE 09/23/199

WELL NAME: Frieden

KB 1539.00 ft TICKET NO: 11856 DST #4

LOCATION : Sec.32 Twp.31s

GR 1534.00 ft FORMATION: Simpson

INTERVAL : 4500.00 To 4527.00 ft

TD 4527.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	2357			PF Fr. 0924 to 0954 hr
SI 60	Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0954 to 1054 hr
SF 30	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1054 to 1124 hr
FS 60	Depth(ft )	4524.0	4524.0	4505.0	0.0	0.0	FS Fr. 1124 to 1224 hr

	Field	1	2	3	4	
A. Init Hydro	2388.0	0.0	2241.0	0.0	0.0	T STARTED 0727 hr
B. First Flow	20.0	0.0	21.0	0.0	0.0	T ON BOTM 0921 hr
Bl. Final Flow	30.0	0.0	35.0	0.0	0.0	T OPEN 0924 hr
C. In Shut-in	1671.0	0.0	1677.0	0.0	0.0	T PULLED 1224 hr
D. Init Flow	51.0	0.0	45.0	0.0	0.0	T OUT 1350 hr
E. Final Flow	61.0	0.0	60.0	0.0	0.0	
F. Fl Shut-in	1661.0	0.0	1656.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2288.0	0.0	2159.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0		I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 90.00 ft of 90.00 ft in DC and 0.00 ft in DP  
 40.00 ft of SOCM 10%oil 90%mud  
 50.00 ft of VSOCMW 10%oil 30%water 60%mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

Unseated Str Wt 60000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 238.00 ft  
 D.P. Length 4264.00 ft

SALINITY 19000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

IF:Weak blow built to 1-1/2" in H2O.

ISI:Bled down for 5 mins.no bb.

FF:Weak blow built to 1/4" in H2O.

FSI:Bled down for 5 mins no bb.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type Chemical  
 Weight 9.00 lb/cf  
 Vis. 45.00 S/L  
 W.L. 9.00 in3  
 F.C. 0.32 in  
 Mud Drop N

Amt. of fill 0.00 ft  
 Btm. H. Temp. 124.00 F  
 Hole Condition fair  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren Amerine  
 Co. Rep. Ken LaBlanc  
 Contr. Pickrell  
 Rig # 1  
 Unit # no  
 Pump T. none

Test Successful: Y

WELL NAME: Frieden

LOCATION : Sec.32 Twp.31s

TICKET No. 11856 D.S.T. No. 4 DATE 09/23/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 31

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 27

TOTAL TOOL ..... 58

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.	Stands	Single	Total
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D.P. ANCHOR STND.	Stands	Single	Total
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TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.	Stands	4	Single	Total	238
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D.P. ABOVE TOOLS.	Stands	69	Single	1	Total	4264
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TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4557

TOTAL DEPTH ..... 4527

TOTAL DRILL PIPE ABOVE K.B. .... 30

REMARKS:

Fluid sampler data

Sampler recovery	Sampler Analysis
Gas-----ML. Res.-.2---Ohms@--88--F	
Oil---trace-----ML. Chlorides--27000---PPM.	
Mud--2800-----ML. Gravity-----Corr.@60°F	
Water--1200-----ML.	
Other---lcm-----ML.	
Pressure--150---Psi.	
Total--4000-----ML.	

P.O. SUB Top of tool @	4470
C.O. SUB	4471
S.I. TOOL	4476
fluid sampler 3'	4479
HMV	4484
JARS	4489
SAFETY JOINT	4491
PACKER	4495
PACKER	4500
DEPTH 4500	
STUBB 1'to	4501
ANCHOR 21' of perms.to	4522
Alpine rec.@ 4505	
	4522
	4522
T.C. DEPTH	
	4522
Ak-1 rec.@4524	
BULLNOSE 5'bullnose to T.D.	4527

CONFIDENTIAL

ORIGINAL

KCC

FROM: CONFIDENTIAL

WELL NAME:  
COMPANY:  
LOCATION:  
DATE:

Frieden #1  
McGinness Oil Co. of Kansas  
32-31s-12w  
Barber County, Kansas  
9/25/98

NOV 2  
CONFIDENTIAL

15-007-22580

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : McGinness Oil Co. of KS DATE 09/18/199  
 WELL NAME: Frieden #1 KB 1539.00 ft TICKET NO: 11853 DST #1  
 LOCATION : 32-31s-12w Barber'co. KS GR 1534.00 ft FORMATION: Topeka  
 INTERVAL : 3115.00 To 3273.00 ft TD 3273.00 ft TEST TYPE: CONVETIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2357			PF Fr. 2258 to 2328 hr
SI 30 Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2328 to 2358 hr
SF 30 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2358 to 0058 hr
FS 30 Depth(ft )	3270.0	3270.0	3252.0	0.0	0.0	FS Fr. 0058 to 0028 hr

	Field	1	2	3	4	
A. Init Hydro	1478.0	1463.0	1476.0	0.0	0.0	T STARTED 2036 hr
B. First Flow	1236.0	1175.0	1232.0	0.0	0.0	T ON BOTM 2255 hr
B1. Final Flow	1296.0	1292.0	1401.0	0.0	0.0	T OPEN 2258 hr
C. In Shut-in	1427.0	1396.0	1423.0	0.0	0.0	T PULLED 0028 hr
D. Init Flow	1438.0	1417.0	1420.0	0.0	0.0	T OUT 0230 hr
E. Final Flow	1448.0	1417.0	1426.0	0.0	0.0	
F. Fl Shut-in	1448.0	1423.0	1428.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1559.0	1518.0	1438.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 64000.00 lbs

RECOVERY

Tot Fluid 2887.00 ft of 238.00 ft in DC and 2649.00 ft in DP  
 60.00 ft of Slightly water cut mud 20%water 80%mud  
 2767.00 ft of Water Cut Mud 80%water 20%mud  
 60.00 ft of Salt water 100%water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 238.00 ft  
 D.P. Length 3109.00 ft

SALINITY 96000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Strong blow - bottom of bucket  
 in 15 seconds

Initial Shutin:  
 Bled down for 10 min - no blow back

Final Flow:  
 Strong blow bottom of bucket  
 in 1 minute

Final Shutin:  
 Bled down for 10 min - no blow back

SAMPLES:  
 SENT TO:

RELEASED  
 09 06 2000  
 FROM CONFIDENTIAL

MUD DATA-----

Mud Type	Chemical
Weight	8.70 lb/cf
Vis.	42.00 S/L
W.L.	11.00 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Doug
Contr.	Pickrell
Rig #	1
Unit #	no
Pump T.	none

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVETIONAL

WELL NAME: Frieden #1

LOCATION : sec.32 Twp.31s

WELL No. 11853 D.S.T. No. 1 DATE 09/18/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 33

TOTAL TOOL ..... 61

DRILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands 2 Single Total 125

TOTAL ASSEMBLY ..... 186

C. ABOVE TOOLS.Stands4 Single Total 238

P. ABOVE TOOLS.Stands40 Single Total 3109

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3295

TOTAL DEPTH ..... 3273

TOTAL DRILL PIPE ABOVE K.B. .... 22

REMARKS:

P.O. SUB Top of tool @	3088
C.O. SUB	3089
S.I. TOOL	3094
HMV	3099
JARS	3104
SAFETY JOINT	3106
PACKER	3110
PACKER	3115
DEPTH 3115	
STUBB 1'to	3116
ANCHOR 5' of perms.to	3121
	3121
	3121
T.C.	
DEPTH	
124'of drillpipe	3245
Alpine rec.@3252	
23'of perms.to	3268
	3268
Ak-1 rec.@ 3270	
BULLNOSE 5'bullnose to	3273
T.D.	



# TEST HISTORY

TK#11853 DST#1 Friedent#1 McGinness Oil, Co. of Ks.

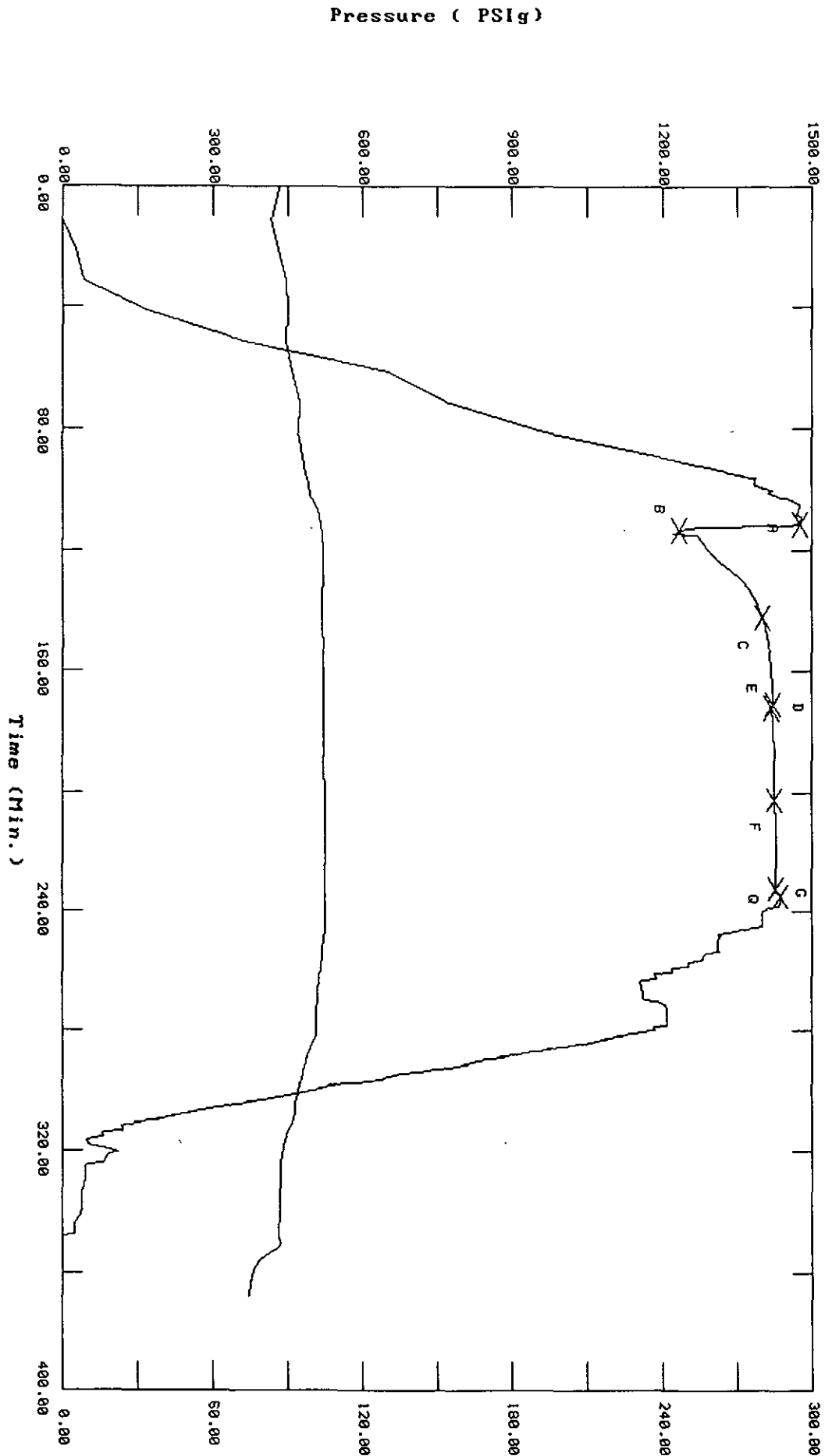


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 11853

Well Name & No. <u>Frieden #1</u>	Test No. <u>#1</u>	Date <u>09/18/1998</u>
Company <u>McGinness Oil Co of Ks. Inc.</u>	Zone Tested <u>Topeka</u>	
Address <u>150 N. Main, Suite 1026 Wichita Ks, 67202</u>	Elevation <u>1539</u>	KB <u>1534</u> GL
Co. Rep / Geo. <u>Doug McGinness</u> Cont. <u>Pickrell #1</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>32</u> Twp. <u>31S</u> Rge. <u>12W</u> Co. <u>Barber</u> State <u>Ks</u>		
No. of Copies <u>5</u> Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>3115 - 3273</u>	Initial Str Wt/Lbs. <u>52000</u>	Unseated Str Wt/Lbs. <u>64000</u>
Anchor Length <u>158'</u>	Wt. Set Lbs. <u>29000</u>	Wt. Pulled Loose/Lbs. <u>65000</u>
Top Packer Depth <u>3110'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3115'</u>	Hole Size — <u>7 7/8" C</u>	Rubber Size — <u>6 3/4" C</u>
Total Depth <u>3273</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>238</u>
Mud Wt. <u>8.7</u> LCM <u>0</u> Vis. <u>42</u> WL <u>11.0</u>	Drill Pipe Size <u>4 1/2 KH</u>	Ft. Run <u>3009'</u>
Blow Description <u>FF: Strong blow D.O.B. in 15 sec.</u>		

FST: Bled down for 10 mins. No bb.  
FF: Strong blow D.O.B. in 1 min. slowly cased back to 6" in bucket  
FST: Bled down for 10 mins. No bb.

Recovery — Total Feet <u>3007'</u>	GIP <u>N/A</u>	Ft. in DC <u>238'</u>	Ft. in DP <u>2679'</u>
Rec. <u>60</u> Feet Of <u>S.W.C.M.</u>	%gas _____	%oil _____	<u>20</u> %water <u>80</u> %mud
Rec. <u>2767</u> Feet Of <u>W.C.M.</u>	%gas _____	%oil _____	<u>80</u> %water <u>20</u> %mud
Rec. <u>60</u> Feet Of <u>Salt Water</u>	%gas _____	%oil _____	<u>100</u> %water _____ %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	_____ %water _____ %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	_____ %water _____ %mud

BHT 125° °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .09 @ 99° °F Chlorides 96,000 ppm Recovery Chlorides 6200 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>1478</u>	<u>1476</u>	<u>2357</u>	<u>19:30:00</u>
(B) First Initial Flow Pressure	<u>1236</u>	<u>1232</u>	(depth) <u>5252'</u>	T-Started <u>20:36:00</u>
(C) First Final Flow Pressure	<u>1246</u>	<u>1402</u>	PSI Recorder No. <u>10332</u>	T-Open <u>22:58:00</u>
(D) Initial Shut-In Pressure	<u>1427</u>	<u>1421</u>	PSI (depth) <u>3270'</u>	T-Pulled <u>00:58:00</u>
(E) Second Initial Flow Pressure	<u>1438</u>	<u>1420</u>	PSI Recorder No. _____	T-Out <u>02:30:00</u>
(F) Second Final Flow Pressure	<u>1448</u>	<u>1427</u>	PSI (depth) _____	T-Off Location <u>03:15:00</u>
(G) Final Shut-in Pressure	<u>1448</u>	<u>1428</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>1559</u>	<u>1428</u>	PSI Initial Shut-in <u>30</u>	Jars <input checked="" type="checkbox"/>
			Final Flow <u>30</u>	Safety Joint <input checked="" type="checkbox"/>
			Final Shut-in <u>30</u>	Straddle _____
				Circ. Sub _____
				Sampler _____
				Extra Packer _____
				Elec. Rec. <input checked="" type="checkbox"/>
				Mileage _____
				Other _____

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 *Patrick Deemke*

TRILOBITE TESTING L.L.C.

OPERATOR : McGinness Oil, Co. of Ks. DATE 09/20/199  
 WELL NAME: Frieden #1 KB 1539.00 ft TICKET NO: 11854 DST #2  
 LOCATION : 32-31s-12w Barber co. KS GR 1534.00 ft FORMATION: Drum  
 INTERVAL : 3890.00 To 3910.00 ft TD 3910.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2357			PF Fr. 2013 to 2043 hr
SI 30 Range (Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2043 to 2113 hr
SF 30 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 2113 to 2143 hr
FS 30 Depth (ft )	3907.0	3907.0	3896.0	0.0	0.0	FS Fr. 2143 to 2213 hr

	Field	1	2	3	4	
A. Init Hydro	1957.0	1946.0	1852.0	0.0	0.0	T STARTED 1820 hr
B. First Flow	61.0	66.0	20.0	0.0	0.0	T ON BOTM 2011 hr
B1. Final Flow	81.0	75.0	43.0	0.0	0.0	T OPEN 2013 hr
C. In Shut-in	1498.0	1498.0	1488.0	0.0	0.0	T PULLED 2213 hr
D. Init Flow	111.0	101.0	57.0	0.0	0.0	T OUT 2330 hr
E. Final Flow	132.0	112.0	71.0	0.0	0.0	
F. Fl Shut-in	1498.0	1502.0	1485.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1906.0	1904.0	1817.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 54000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 238.00 ft
						D.P. Length 3544.00 ft

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP  
 120.00 ft of Water cut mud 50% Mud 50% Water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 32000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to 2" in water  
 Initial Shut-in:  
 Bled down for 2 mins. no blow back  
 Final Flow:  
 Weak blow built to 1/4" in water  
 Final Shut-in:  
 Bled down for 10 mins. no blow back

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.10 lb/cf  
 Vis. 56.00 S/L  
 W.L. 12.00 in3  
 F.C. 0.32 in  
 Mud Drop Y 60.0 ft  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 114.00 F  
 Hole Condition fair  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 0  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren Amerine  
 Co. Rep. Doug McGinness  
 Contr. Peckrell  
 Rig # 1  
 Unit # none  
 Pump T. no

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Frieden #1

LOCATION : Sec.32 Twp.31s Rge,12w

TICKET No. 11854 D.S.T. No. 2 DATE 09/20/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 20

TOTAL TOOL ..... 48

DRILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

C. ABOVE TOOLS.Stands4 Single Total 238

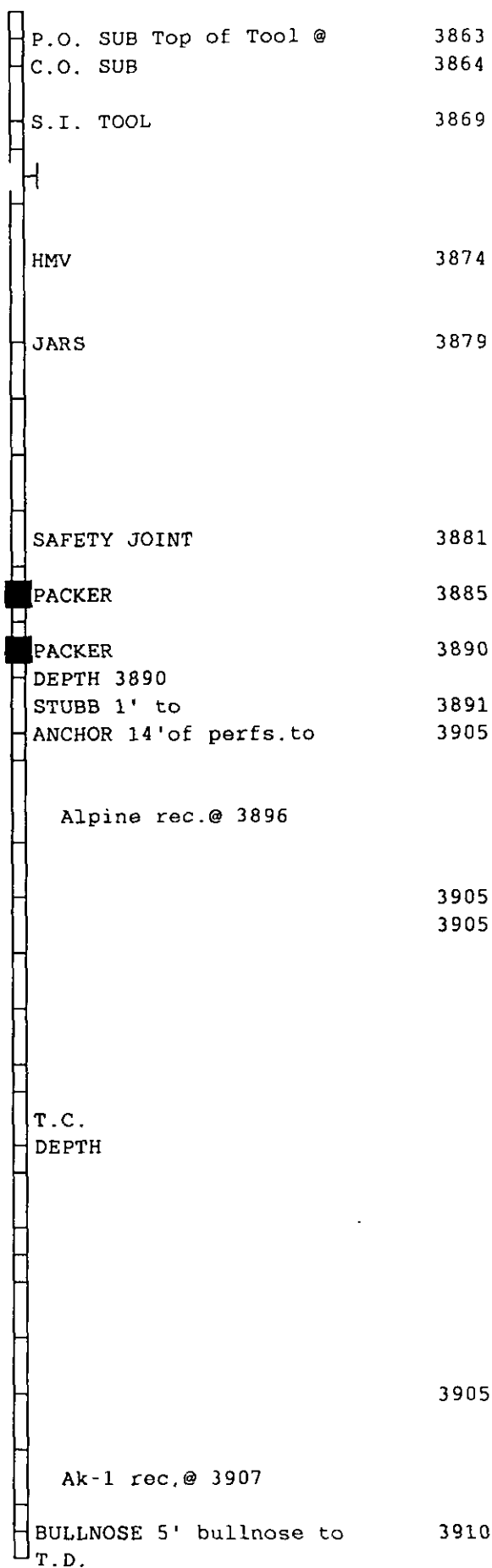
P. ABOVE TOOLS.Stands59 Single Total 3544

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3930

TOTAL DEPTH ..... 3910

TOTAL DRILL PIPE ABOVE K.B. .... 20

MARKS:



TK#11854 DST#2 Frieden #1 McGinness Oil, Co. of Ks.

# TEST HISTORY

Flag Points

	T (Min.)	P (PSIg)
R:	0.00	1851.60
B:	0.00	20.41
C:	29.50	42.98
D:	29.50	1488.41
E:	0.00	56.66
F:	29.50	70.50
G:	32.00	1484.68
Q:	0.00	1816.59

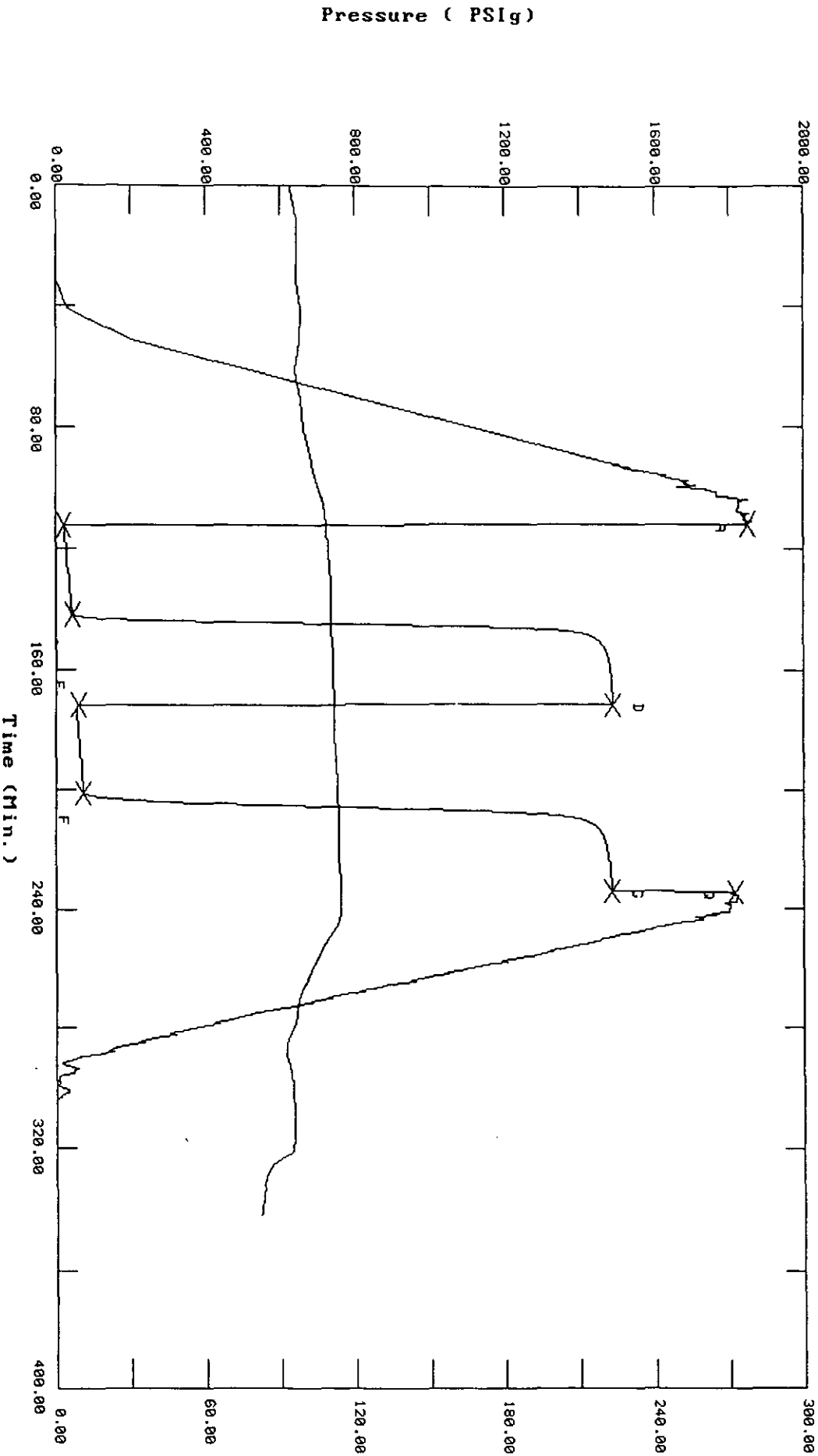
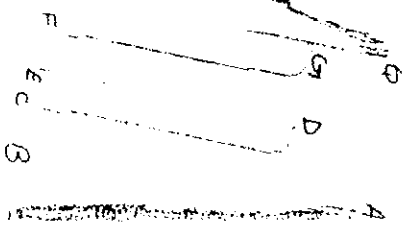


CHART PAGE

10332  
DST #2  
X



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# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 11854

Well Name & No. <u>Frieden #1</u>	Test No. <u>#2</u>	Date <u>9/20/1998</u>
Company <u>McGinness Oil Co. of KS, Inc.</u>	Zone Tested <u>Drum</u>	
Address <u>150 N. Main St. &amp; 1026 Wichita KS 67202</u>	Elevation <u>1539</u> KB <u>1534</u> GL	
Co. Rep / Geo. <u>Doug McGinness</u> Cont. <u>Pickett #1</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>32</u> Twp. <u>31S</u> Rge. <u>12W</u> Co. <u>Barber</u> State <u>KS</u>		
No. of Copies <u>5</u> Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>3890' - 3910'</u>	Initial Str Wt./Lbs. <u>54000</u>	Unseated Str Wt./Lbs. <u>60000</u>
Anchor Length <u>20'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>51000</u>
Top Packer Depth <u>3885'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3890'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>3910'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>238'</u>
Mud Wt. <u>9.1</u> LCM <u>4#</u> Vis. <u>56</u> WL <u>12.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3544'</u>

Blow Description IF: Weak blow built to 2" in H2O.  
ISI: Bled down 2 mins no bp.  
FF: Weak blow built to 1/4" in H2O.  
EST: Bled down for 10 mins no bp.

Recovery — Total Feet <u>120'</u>	GIP _____	Ft. in DC <u>120'</u>	Ft. in DP _____
Rec. <u>120</u> Feet Of <u>WCM</u>	%gas _____	%oil _____	%water <u>50</u> %mud <u>50</u>
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 114° °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 21 @ 80° °F Chlorides 32000 ppm Recovery Chlorides 4000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>1957</u>	<u>1852</u>		<u>2357</u>	<u>17:45:00</u>
(B) First Initial Flow Pressure	<u>61</u>	<u>20</u>	PSI	(depth) <u>3896</u>	T-Started <u>18:20:00</u>
(C) First Final Flow Pressure	<u>81</u>	<u>43</u>	PSI	Recorder No. <u>10332</u>	T-Open <u>20:13:30</u>
(D) Initial Shut-In Pressure	<u>1498</u>	<u>1488</u>	PSI	(depth) <u>3907</u>	T-Pulled <u>22:13:30</u>
(E) Second Initial Flow Pressure	<u>111</u>	<u>57</u>	PSI	Recorder No. _____	T-Out <u>23:30:00</u>
(F) Second Final Flow Pressure	<u>132</u>	<u>71</u>	PSI	(depth) _____	T-Off Location <u>00:30:00</u>
(G) Final Shut-in Pressure	<u>1498</u>	<u>1485</u>	PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>1906</u>	<u>1817</u>	PSI	Initial Shut-in <u>30</u>	Jars <input checked="" type="checkbox"/>
				Final Flow <u>30</u>	Safety Joint <input checked="" type="checkbox"/>
				Final Shut-in <u>30</u>	Straddle _____
					Circ. Sub _____
					Sampler _____
					Extra Packer _____
					Elec. Rec. <input checked="" type="checkbox"/>
					Mileage _____
					Other _____

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 Patrick J. Deemick



TRILOBITE TESTING L.L.C.

OPERATOR : McGinness Oil,co.of Ks.  
 WELL NAME: Frieden  
 LOCATION : 32-31s-12w Barber co. KS  
 INTERVAL : 4480.00 To 4522.00 ft

DATE 09/22/199  
 KB 1539.00 ft TICKET NO: 11855 DST #3  
 GR 1534.00 ft FORMATION: Simpson  
 TD 4522.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2357			PF Fr. 1947 to 2017 hr
SI 60 Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2017 to 2117 hr
SF 30 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2117 to 2147 hr
FS 60 Depth(ft )	4519.0	4519.0	4492.0	0.0	0.0	FS Fr. 2147 to 2247 hr

	Field	1	2	3	4	
A. Init Hydro	2348.0	2330.0	2214.0	0.0	0.0	T STARTED 1748 hr
B. First Flow	41.0	49.0	22.0	0.0	0.0	T ON BOTM 1945 hr
B1. Final Flow	51.0	52.0	20.0	0.0	0.0	T OPEN 1947 hr
C. In Shut-in	152.0	144.0	133.0	0.0	0.0	T PULLED 2247 hr
D. Init Flow	41.0	44.0	23.0	0.0	0.0	T OUT 0000 hr
E. Final Flow	41.0	44.0	22.0	0.0	0.0	
F. Fl Shut-in	71.0	70.0	46.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2278.0	2277.0	2180.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 238.00 ft
						D.P. Length 4236.00 ft

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP  
 10.00 ft of Very Slight water cut mud  
 0.00 ft of 98% mud 2% water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:  
 Weak surface blow died in 14 min

Intial Shutin:  
 No blow back

Final Flow:  
 No blow

Final Shutin:  
 No blow back

SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type Chemical  
 Weight 9.10 lb/c  
 Vis. 51.00 S/L  
 W.L. 9.00 in3  
 F.C. 0.32 in  
 Mud Drop Y 50.0 ft

Amt. of fill 0.00 ft  
 Btm. H. Temp. 122.00 F  
 Hole Condition fair  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren Amerine  
 Co. Rep. Ken LaBlanc  
 Contr. Pickrell  
 Rig # 1  
 Unit # no  
 Pump T. none

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Frieden

LOCATION : Sec.32 Twp.31s Rge.12w

TICKET No. 11855 D.S.T. No. 3 DATE 09/22/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 42

TOTAL TOOL ..... 70

DRILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STND.	Stands	Single	Total
-----------------	--------	--------	-------

P. ANCHOR STND.	Stands	Single	Total
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TOTAL ASSEMBLY .....

C. ABOVE TOOLS.	Stands	4	Single	Total	238
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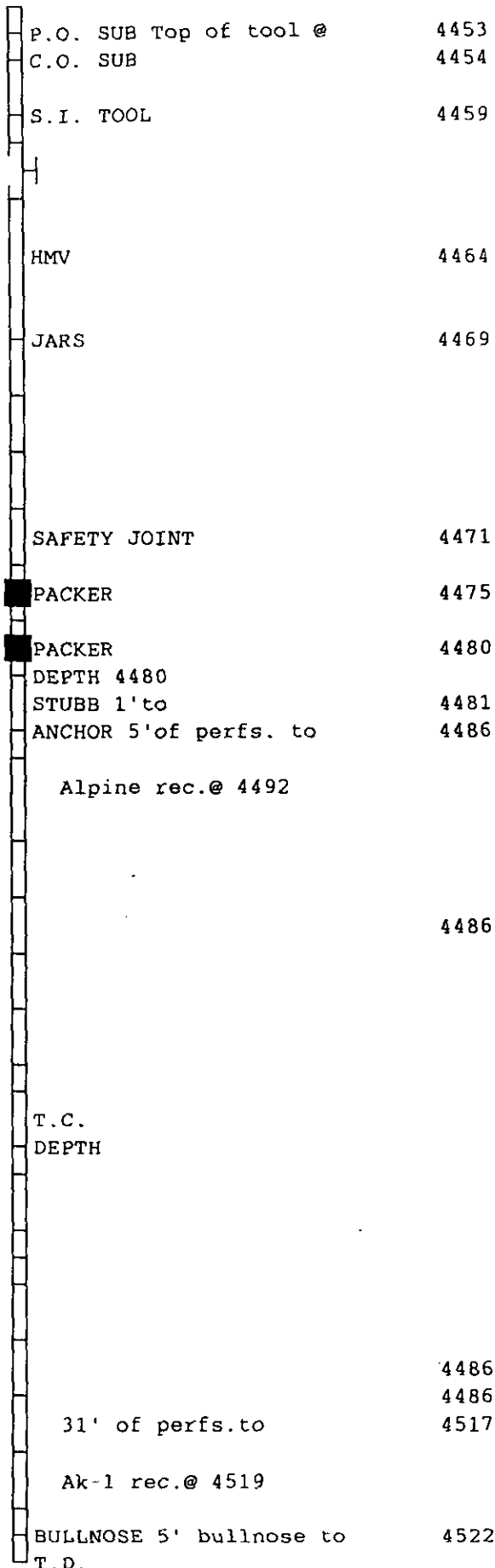
P. ABOVE TOOLS.	Stands	69	Single	Total	4236
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TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4544

TOTAL DEPTH ..... 4522

TOTAL DRILL PIPE ABOVE K.B. .... 22

MARKS:



# TEST HISTORY

Tk#11855 DST#3 Frieden #1 McGinness Oil,co.of ks.

## Flag Points

t (Min.) P (PSig)

A:	0.00	2213.75
B:	0.00	21.63
C:	30.00	20.43
D:	60.50	132.56
E:	0.00	23.24
F:	29.50	22.11
G:	60.50	46.11
Q:	0.00	2179.87

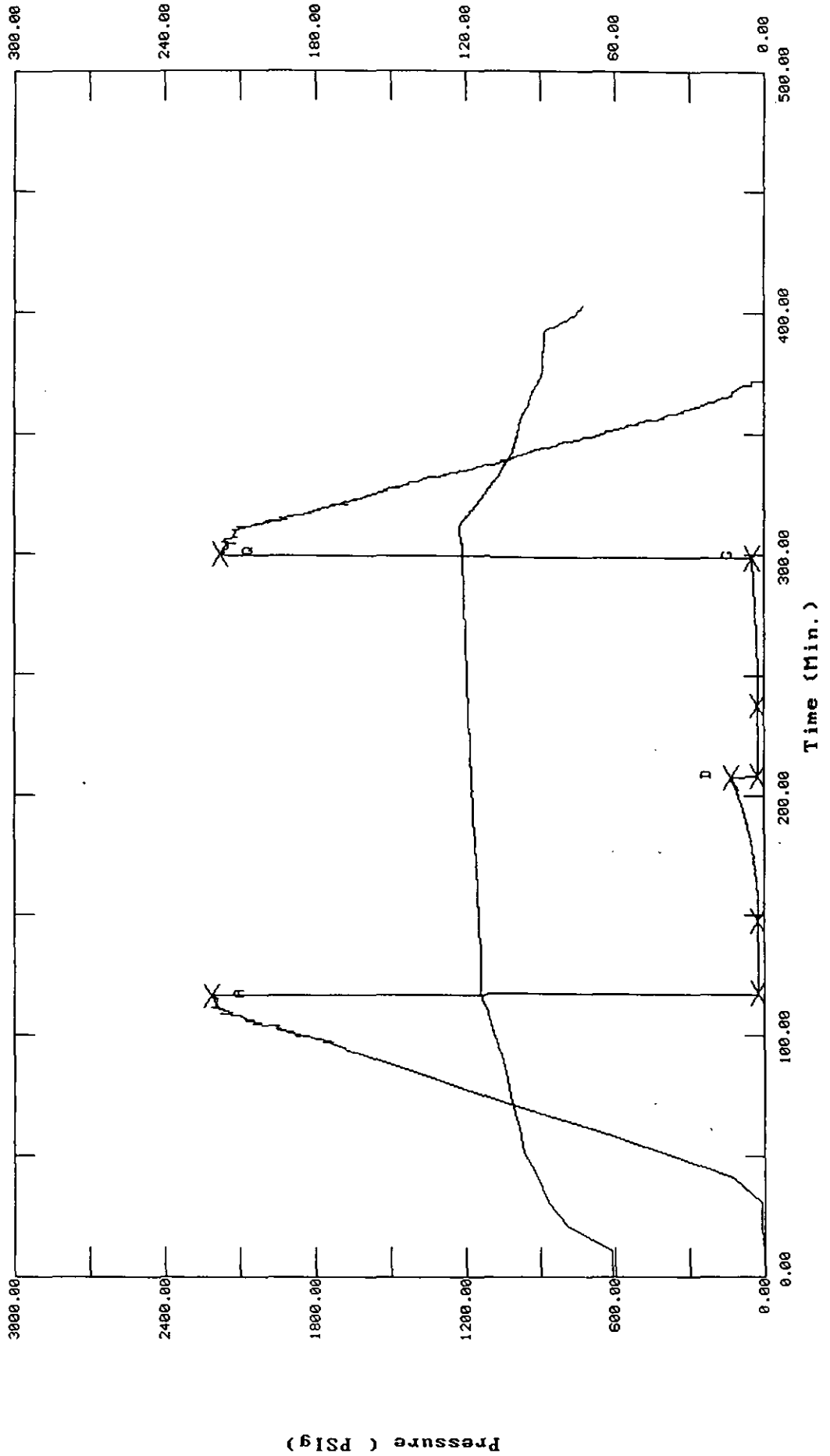


CHART PAGE

10332  
DST 43

X



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 11855

Well Name & No. <u>Frieden #1</u>	Test No. <u>#3</u>	Date <u>09/22/1998</u>
Company <u>McGinness Oil Co. of KS, Inc</u>	Zone Tested <u>Simpson</u>	
Address <u>150 N. Main Suite 1006 Wichita KS 67202</u>	Elevation <u>1539</u>	KB <u>1534</u> GL
Co. Rep / Geo. <u>Ken LaBiana</u>	Cont. <u>Pickrell #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>32</u>	Twp. <u>315</u>	Rge. <u>12<sup>W</sup></u> Co. <u>Barber</u> State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4480 - 4522'</u>	Initial Str Wt/Lbs. <u>60,000</u>	Unseated Str Wt/Lbs. <u>60,000</u>
Anchor Length <u>42'</u>	Wt. Set Lbs. <u>23,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth <u>4475'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4480'</u>	Hole Size — 7 7/8" <u>L</u>	Rubber Size — 6 3/4" <u>L</u>
Total Depth <u>4522'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>238</u>
Mud Wt. <u>9.1</u> LCM <u>3<sup>rd</sup></u> Vis. <u>51</u> WL <u>9.0</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>4236'</u>
Blow Description <u>TF' Weak surface blow died in 14 MIN.</u>		
<u>TST: No bb</u>		
<u>EF' No blow</u>		
<u>FST: No bb.</u>		

Recovery — Total Feet <u>10'</u>	GIP _____	Ft. in DC <u>10'</u>	Ft. in DP _____
Rec. <u>10'</u>	Feet Of <u>USWCM</u>	%gas _____ %oil <u>2</u>	%water <u>98</u> %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>122°</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____	°F Chlorides _____	ppm Recovery _____	Chlorides <u>5000</u> ppm System _____

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2348</u>	<u>2214</u>	PSI Recorder No. <u>2357</u>	T-On Location	<u>17:00:00</u>
(B) First Initial Flow Pressure	<u>41</u>	<u>22</u>	PSI (depth) <u>4492'</u>	T-Started	<u>17:48:00</u>
(C) First Final Flow Pressure	<u>57</u>	<u>20</u>	PSI Recorder No. <u>10332</u>	T-Open	<u>19:47:00</u>
(D) Initial Shut-In Pressure	<u>152</u>	<u>133</u>	PSI (depth) <u>4519'</u>	T-Pulled	<u>22:47:00</u>
(E) Second Initial Flow Pressure	<u>41</u>	<u>23</u>	PSI Recorder No. _____	T-Out	<u>00:00:00</u>
(F) Second Final Flow Pressure	<u>41</u>	<u>22</u>	PSI (depth) _____	T-Off Location	<u>00:43:00</u>
(G) Final Shut-in Pressure	<u>71</u>	<u>46</u>	PSI Initial Opening <u>30</u>	Test	<input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>2278</u>	<u>2180</u>	PSI Initial Shut-in <u>60</u>	Jars	<input checked="" type="checkbox"/>
			Final Flow <u>30</u>	Safety Joint	<input checked="" type="checkbox"/>
			Final Shut-in <u>60</u>	Straddle	_____
				Circ. Sub	_____
				Sampler	_____
				Extra Packer	_____
				Elec. Rec.	<input checked="" type="checkbox"/>
				Mileage	_____
				Other	_____

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 \_\_\_\_\_

*(Handwritten Signature)*

TRILOBITE TESTING L.L.C.

OPERATOR : McGinness oil,co.of Ks.

DATE 09/23/199

WELL NAME: Frieden

KB 1539.00 ft

TICKET NO: 11856

DST #4

LOCATION : 32-31s-12w Barber,co. KS

GR 1534.00 ft

FORMATION: Simpson

INTERVAL : 4500.00 To 4527.00 ft

TD 4527.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	2357			PF Fr. 0924 to 0954 hr
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0954 to 1054 hr
SF 30	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1054 to 1124 hr
FS 60	Depth(ft)	4524.0	4524.0	4505.0	0.0	0.0	FS Fr. 1124 to 1224 hr

	Field	1	2	3	4	
A. Init Hydro	2388.0	2396.0	2241.0	0.0	0.0	T STARTED 0727 hr
B. First Flow	20.0	7.0	21.0	0.0	0.0	T ON BOTM 0921 hr
B1. Final Flow	30.0	26.0	35.0	0.0	0.0	T OPEN 0924 hr
C. In Shut-in	1671.0	1675.0	1677.0	0.0	0.0	T PULLED 1224 hr
D. Init Flow	51.0	61.0	45.0	0.0	0.0	T OUT 1350 hr
E. Final Flow	61.0	67.0	60.0	0.0	0.0	
F. Fl Shut-in	1661.0	1667.0	1656.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2288.0	2279.0	2159.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 238.00 ft
						D.P. Length 4264.00 ft

RECOVERY

Tot Fluid 90.00 ft of 90.00 ft in DC and 0.00 ft in DP  
 40.00 ft of Slight Oil Cut Mud 10%oil 90%mud  
 50.00 ft of Very Slight Oil Cut Mud & Water  
 0.00 ft of 10%oil 30%water 60%mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 19000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to 1 1/2" in water

Initial Shutin:  
 Bled down for 5 minutes - no blow back

Final Flow:  
 Weak blow built to 1/4" in water

Final Shutin:  
 Bled down for 5 mins no blow back

SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	45.00 S/L
W.L.	9.00 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Ken LaBlanc
Contr.	Pickrell
Rig #	1
Unit #	no
Pump T.	none

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Frieden

LOCATION : Sec.32 Twp.31s

TICKET No. 11856 D.S.T. No. 4 DATE 09/23/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 31

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 27

TOTAL TOOL ..... 58

DRILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY .....

C. ABOVE TOOLS.Stands4 Single Total 238

P. ABOVE TOOLS.Stands69 Single 1 Total 4264

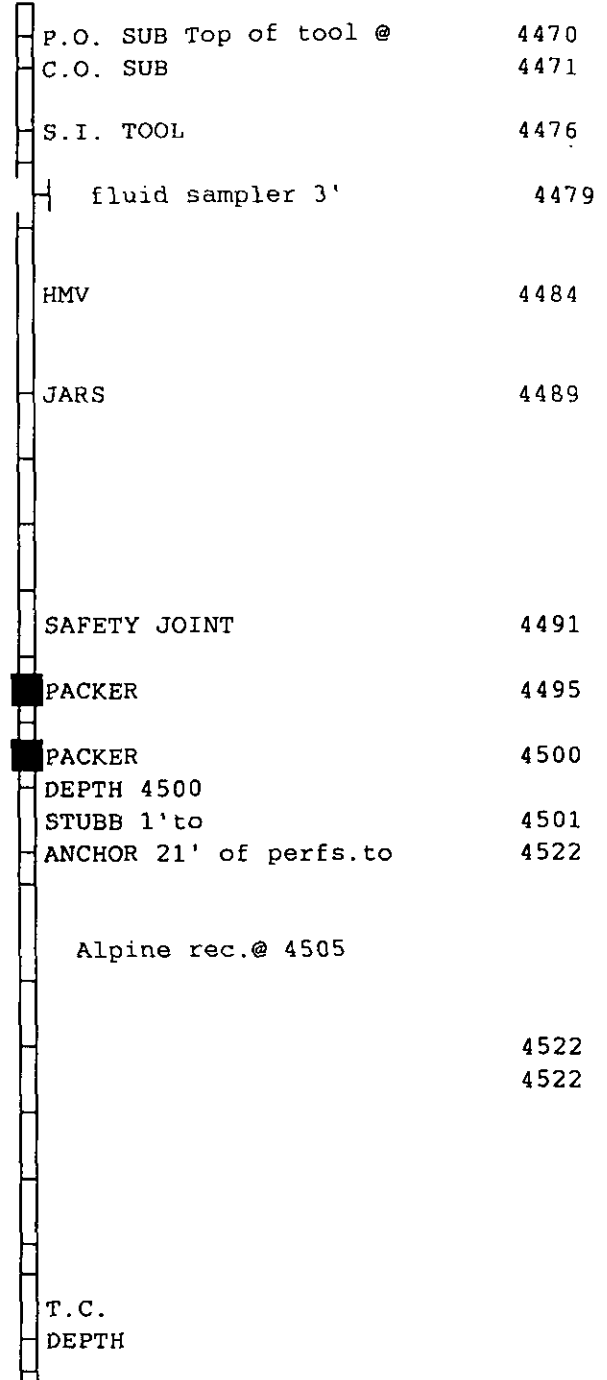
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4557

TOTAL DEPTH ..... 4527

TOTAL DRILL PIPE ABOVE K.B. .... 30

REMARKS:

Fluid sampler data  
 sampler recovery Sampler Analysis  
 as-----ML. Res.--.2---Ohms@--88--F  
 il---trace----ML. Chlorides--27000----PPM.  
 id--2800-----ML. Gravity-----Corr.@60°F  
 ater--1200----ML.  
 her---lcm----ML.  
 essage--150---Psi.



T.C.  
DEPTH

# TEST HISTORY

Tk#11856 DST#4 Frieden #1 McGinness Oil, co. of Ks.

## Flag Points

t (Min.) P (PSig)

A:	0.00	2240.93
B:	0.00	20.53
C:	29.50	34.91
D:	59.50	1677.39
E:	0.00	45.39
F:	29.50	59.69
G:	59.50	1655.90
Q:	0.00	2159.22

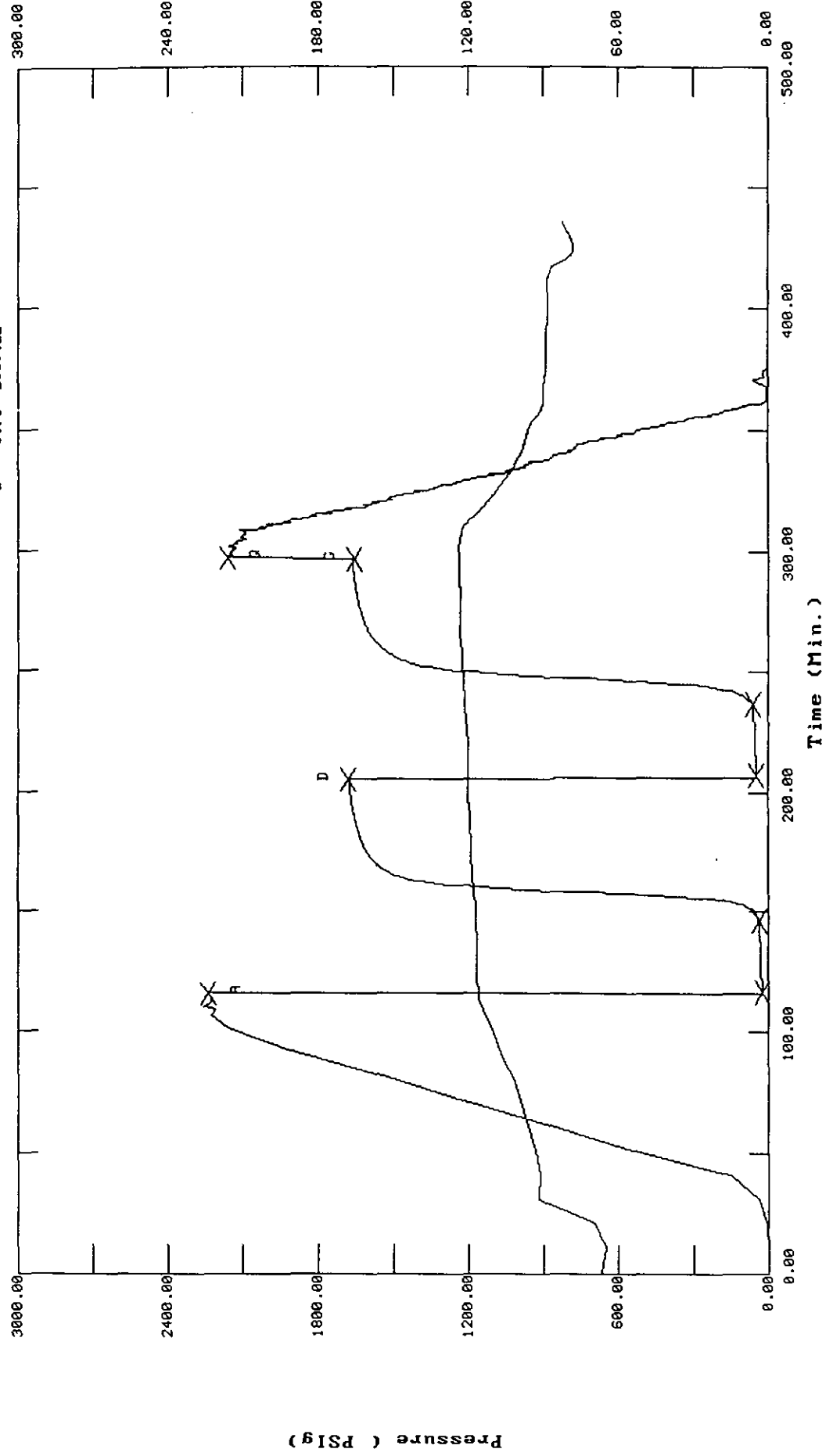
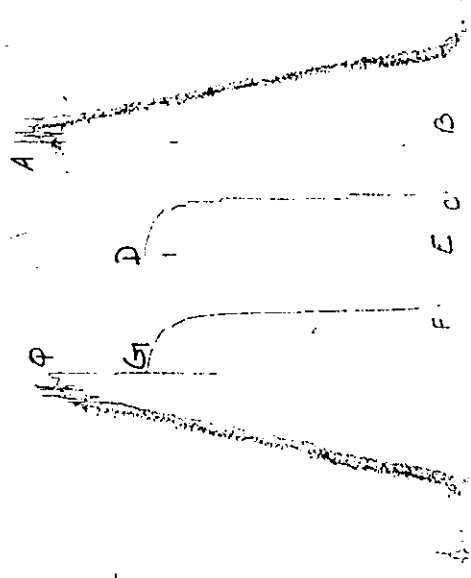




CHART PAGE

10332  
DST #4  
X



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. # 11856 Date 09/23/1998  
Company Name McGinness Oil Co. of KS, Inc.  
Lease Frieden #1 Test No. #4  
County Barber, Co Sec. 32 Twp. 315 Rng. 12W

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
Oil Trace ML  
Mud 2800 ML  
Water 1200 ML  
Other LCM - ML  
Pressure 150 PSI  
Total 4000 ML

### SAMPLER ANALYSIS

Resistivity .2 ohms @ 88° F  
Chlorides 27,000 ppm.  
Gravity N/A corrected @ 60 F

### PIT MUD ANALYSIS

Chlorides 5,000 ppm.  
Resistivity 1.5 ohms @ 65° F  
Viscosity 45  
Mud Weight 9.0  
Filtrate 9.0  
Other LCM 3#

### PIPE RECOVERY

TOP  
Resistivity N/A ohms @ \_\_\_\_\_ F  
Chlorides \_\_\_\_\_ ppm.

MIDDLE  
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
Chlorides \_\_\_\_\_ ppm.

BOTTOM  
Resistivity .31 ohms @ 88° F  
Chlorides 19,000 ppm.

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 11856

Well Name & No. <u>Frieden #1</u>		Test No. <u>#4</u>	Date <u>09/23/1998</u>
Company <u>McGuinness Oil Co. of Ks, Inc</u>		Zone Tested <u>Simpson</u>	
Address <u>150 N. Main Suite 1026 Wichita, Ks 67202</u>		Elevation <u>1539</u>	KB <u>1534</u> GL
Co. Rep/Geo. <u>Ken LeBlanc</u>	Cont. <u>Pattrell #1</u>	Est. Ft. of Pay	Por. %
Location: Sec. <u>32</u>	Twp. <u>31S</u>	Rge. <u>12W</u>	Co. <u>Barber</u> State <u>Ks</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>—</u>	Turnkey (Y, N) <u>—</u>	Evaluation (Y, N) <u>—</u>

Interval Tested <u>4500' - 4527'</u>	Initial Str Wt./Lbs. <u>60,000</u>	Unseated Str Wt./Lbs. <u>60,000</u>
Anchor Length <u>27'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth <u>4495'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4500'</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>4527'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>238'</u>
Mud Wt. <u>9.0</u> LCM <u>3#</u> Vis. <u>45</u> WL <u>9.0</u>	Drill Pipe Size <u>4 1/2 KH</u>	Ft. Run <u>4264'</u>

Blow Description TF: Weak blow built to 1 1/2" in H2O.  
IST: Bled down for 5 mins  
EF: Weak blow built to 1/4" in H2O.  
FST: Bled down for 5 mins on bb

Recovery — Total Feet <u>90'</u>	GIP <u>—</u>	Ft. in DC <u>90</u>	Ft. in DP <u>—</u>
Rec. <u>40</u> Feet Of <u>50cm</u>	%gas <u>10</u> %oil	%water <u>90</u> %mud	
Rec. <u>50</u> Feet Of <u>V50cm W</u>	%gas <u>10</u> %oil	<u>30</u> %water <u>60</u> %mud	
Rec. _____ Feet Of _____	%gas _____ %oil	%water _____ %mud	
Rec. _____ Feet Of _____	%gas _____ %oil	%water _____ %mud	
Rec. _____ Feet Of _____	%gas _____ %oil	%water _____ %mud	

BHT 124 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .31 @ 88 °F Chlorides 12,000 ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2388</u>	<u>2241</u>	<u>2357</u>	<u>06:00:00</u>
(B) First Initial Flow Pressure	<u>20</u>	<u>21</u>	(depth) <u>4505</u>	T-Started <u>07:27:30</u>
(C) First Final Flow Pressure	<u>30</u>	<u>35</u>	PSI Recorder No. <u>10332</u>	T-Open <u>09:24:00</u>
(D) Initial Shut-In Pressure	<u>1671</u>	<u>1677</u>	(depth) <u>4524</u>	T-Pulled <u>12:24:00</u>
(E) Second Initial Flow Pressure	<u>37</u>	<u>45</u>	PSI Recorder No. _____	T-Out <u>13:50:00</u>
(F) Second Final Flow Pressure	<u>61</u>	<u>60</u>	(depth) _____	T-Off Location <u>16:00:00</u>
(G) Final Shut-in Pressure	<u>1661</u>	<u>1656</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>2288</u>	<u>2159</u>	PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/>
			Final Flow <u>30</u>	Safety Joint <input checked="" type="checkbox"/>
			Final Shut-in <u>60</u>	Straddle _____

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Approved By Ken LeBlanc

Our Representative Darren J. Lawrence

Mileage \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_