

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

175-21383-0000

ORIGINAL

API NO. 15-

County Seward

NE NE Sec. 9 Twp. 32S Rge. 32W E

Operator: License # 30606

CONFIDENTIAL

Name: Murfin Drilling Co., Inc.

Address 250 N. Water, Suite 300

City/State/Zip Wichita, KS 67202

Purchaser:

Operator Contact Person: Larry M. Jack

Phone () 267-3241

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Paul Godowic

Designate Type of Completion

New Well Re-Entry Workover

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

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

Operator:

Well Name:

Comp. Date Old Total Depth

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

6/27/94 7/11/94
Spud Date Date Reached TD Completion Date

4620 Feet from S (circle one) Line of Section

1980 Feet from E (circle one) Line of Section

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

Lease Name Isaac-Parson Well # 1-9

Field Name Unknown

Producing Formation

Elevation: Ground 2837 KB 2846

Total Depth 5820 PBTD

Amount of Surface Pipe Set and Cemented at 1695 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan D&A JK 11-28-94
(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid volume 2500 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name RELEASED

Lease Name License No. KCC

AUG 1 8 1995

Quarter Sec. Twp. JUL 27 Rge. E/W

County Docket No. **CONFIDENTIAL**

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

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

Signature By: Larry M. Jack

Title Larry M. Jack, Prod. Mgr. Date 7/27/94

Subscribed and sworn to before me this 27 day of July, 19 94.

Notary Public Kerran Redington
Kerran Redington
Date Commission Expires 3/6/95
KERRAN REDINGTON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp.

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)

Operator Name Murfin Drilling Co., Inc. Lease Name Isaac-Parson Well # 1-9
 Sec. 9 Twp. 32S Rge. 32W East West
 County Seward

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.)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

List All E.Logs Run: BOREHOLE COMPENSATED SONIC
SHALLOW-FOCUSED INDUCTION
MICRO-RESISTIVITY
 See attached.
COMPENSATED NEUTRON

See attached.

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	24#	1695	65/35 Class A	450 200	3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

PERFORATION RECORD - Bridge Plugs Set/Type

Shots Per Foot	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 Yes No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls. Gas N/A Mcf Water N/A 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

Murfin Drilling Co., Inc
Suite 300
250 North Water Street
Wichita, Kansas 67202

Gentlemen:

I have witnessed the drilling and examined samples on the Isaac-Parson No. 1-9 from 3000' to a total depth of 5820' in Ste. Genevieve (Mississippian) rocks. A sample log with lithological descriptions, two foot drilling time, gas detector readings and other pertinent data was plotted on a 5"=100' scale from 3000' to TD.

Samples on this test are being sent to the Kansas Geological Society Sample Library, 4150 Monroe Street, Wichita 67209.

Geological tops corrected to the electrical survey and correlated with the Murfin Drilling Co., Inc. - Mobil-Isaac No. 1-9 (660' FN & EL of Section 9-T32S-R32W, Seward County, Kansas), a 6020' St. Louis test 1320' east, are as follows:

Formation (Elevation-Datum)	Murfin No. 1-9 Isaac-Parson 2848' KB	Murfin No. 1-9 Mobil-Isaac 2844' KB
Base of Stone Corral	1720 +1128	1717 +1127
Wellington	2225 +623	2225 +619
Herington	2640 +208	2642 +202
Krider	2698 +150	2700 +144
Winfield	2745 +103	2750 +94
Base of Winfield	2778 +70	2780 +64
Council Grove	2955 -107	2962 -118
Wabaunsee	3336 -488	3360 -516
Base of Heebner Shale	4240 -1392	4240 -1396
Toronto	4248 -1400	4250 -1406
Lansing	4338 -1490	4343 -1499
Iola	4620 -1772	4628 -1784
Base of Stark Shale	4804 -1956	4819 -1975
Swope	4818 -1970	4834 -1990
Marmaton	4970 -2122	4967 -2123
Cherokee Shale	5155 -2307	5142 -2298
Atoka Limestone	5312 -2464	5319 -2475
Morrow	5498 -2650	5478 -2634
Morrow Sand	5507 -2659	Abs
Morrow Sand	5592 -2744	Abs
Chester (Mississippian)	5600 -2752	5610 -2766
Chester Sand Zone	5715 -2867	5706 -2862
Ste. Genevieve	5769 2921	5764 -2920
St. Louis	NDE	5866 -3022
T.D. - E.S.	5817 -2969	6017 -3173
T.D. - Driller	5820 -2972	6020 -3176

Zones of interest are discussed below:

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JUL 27
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TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

ORIGINAL

Well Name ISAAC-PARSON 1-9 Test No. 1 Date 7/2/94
Company MURFIN DRILLING CO INC Zone LANSING
Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837
Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay 9
Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested	<u>4338-4357</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>19</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u> </u>
Top Packer Depth	<u>4333</u>	Drill Collar - 2.25 Ft. Run	<u>604</u>
Bottom Packer Depth	<u>4338</u>	Mud Wt.	<u>8.9</u> lb/Gal.
Total Depth	<u>4357</u>	Viscosity	<u>37</u> Filtrate <u>22.4</u>

Tool Open @ 1:25AM Initial Blow SURFACE BLOW BUILT TO 3"
ISI: BLED OFF - NO BLOW
Final Blow SURFACE BLOW BUILT TO 1" IN 10 MINUTES - 2" BLOW
FSI: BLED OFF - NO BLOW

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Recovery - Total Feet 110 Flush Tool? NO

Rec. <u>110</u>	Feet of	<u>WATERY MUD 35%WATER/65%MUD</u>
Rec. <u> </u>	Feet of	<u> </u>
Rec. <u> </u>	Feet of	<u> </u>
Rec. <u> </u>	Feet of	<u> </u>
Rec. <u> </u>	Feet of	<u> </u>

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BHT 120 °F Gravity 70 °F Chlorides 7000 ppm Recovery Chlorides 5000 ppm System
RW 0.1 @ 70 °F Chlorides 7000 ppm Recovery Chlorides 5000 ppm System

FROM CONFIDENTIAL

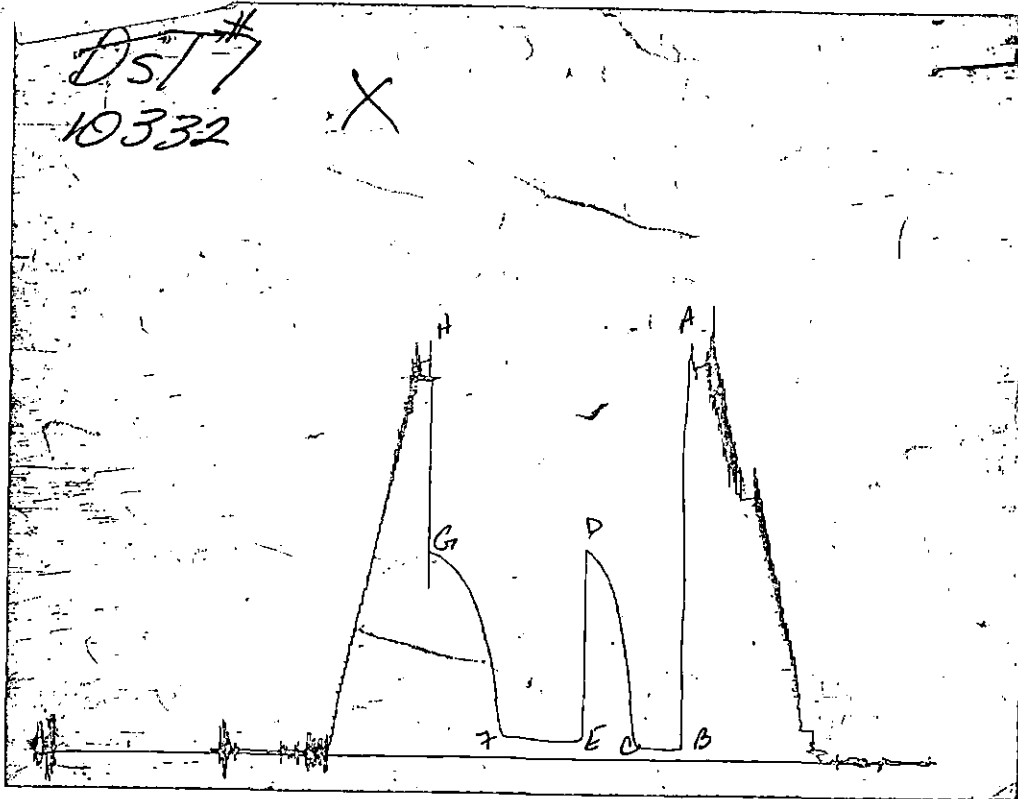
(A) Initial Hydrostatic Mud	<u>2180.0</u> PSI	AK1 Recorder No.	<u>11088</u>	Range	<u>4350</u>
(B) First Initial Flow Pressure	<u>60.7</u> PSI	@ (depth)	<u>4341</u>	w / Clock No.	<u>25828</u>
(C) First Final Flow Pressure	<u>74.9</u> PSI	AK1 Recorder No.	<u>10332</u>	Range	<u>4050</u>
(D) Initial Shut-in Pressure	<u>1090.7</u> PSI	@ (depth)	<u>4351</u>	w / Clock No.	<u>26190</u>
(E) Second Initial Flow Pressure	<u>115.3</u> PSI	AK1 Recorder No.	<u> </u>	Range	<u> </u>
(F) Second Final Flow Pressure	<u>123.4</u> PSI	@ (depth)	<u> </u>	w / Clock No.	<u> </u>
(G) Final Shut-in Pressure	<u>1078.6</u> PSI	Initial Opening	<u>30</u>	Final Flow	<u>60</u>
(H) Final Hydrostatic Mud	<u>2190.0</u> PSI	Initial Shut-in	<u> </u>	Final Shut-in	<u>60</u>

Our Representative GARY SPEER

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STATE CORPORATION COMMISSION

JUL 28 1994

CONSERVATION DIVISION
Wichita, Kansas



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2048	2180
(B) FIRST INITIAL FLOW PRESSURE	70	60.7
(C) FIRST FINAL FLOW PRESSURE	70	74.9
(D) INITIAL CLOSED-IN PRESSURE	1114	1090.7
(E) SECOND INITIAL FLOW PRESSURE	101	115.3
(F) SECOND FINAL FLOW PRESSURE	101	123.4
(G) FINAL CLOSED-IN PRESSURE	1064	1078.6
(H) FINAL HYDROSTATIC MUD	2078	2190

FLUID SAMPLER DATA

RELEASED

AUG 1 8 1995

Ticket No.: 7182

Date: 7/2/94

FROM CONFIDENTIAL

Company: MURFIN DRILLING CO INC/CANYON ENERGY

Lease: ISAAC-PARSON 1-9

Test No.: 1

County: SEWARD

Sec.: 9

Twp.: 32S

Rng.: 32W

SAMPLER RECOVERY

Gas
Oil
Mud 1000
Water 3000
Other
Pressure 200
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 5000
Resistivity 1 ohms@ 90 F
Viscosity 37
Mud Wt. 8.9
Filtrate 22.4
Other

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SAMPLER ANALYSIS

Resistivity 1 ohms@ 72 F
Chlorides 8000 ppm.
Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivity 1 ohms@ 70 F
Chlorides 7000 ppm

MIDDLE

Resistivity ohms@ F
Chlorides ppm

BOTTOM

Resistivity 1 ohms@ 72 F
Chlorides 8000 ppm

ORIGINAL Test Ticket CONFIDENTIAL No 7182

Well Name & No. Isaac-Parson 1-9 Test No. #1 Date 7-2-94
 Company Murfin Drilling Co. Inc Zone Tested Lansing
 Address 250 North Water, Suite 300 - Wichita Ks Elevation 2837 (ASH)
 Co. Rep./Geo. Paul Godovic Cont. Murfin Drilling Co. #22 Est. Ft. of Pay 9
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4338 - 4357 Drill Pipe Size 4 1/2 XH
 Anchor Length 19' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4338 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4338 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4357 Drill Collar — 2.25 Ft. Run 1004'
 Mud Wt. 8.9 lb/gal. Viscosity 37 Filtrate 22.4

Tool Open @ 1:25 AM Initial Blow Surface to 3" blow **RELEASED**
 IST - Bled off press. - no blow
 Final Blow surface to 1" blow in 10 min - 2" blow AUG 1 8 1995
 FST - Bled off press. - no blow

Recovery — Total Feet 110' Feet of Gas In Pipe _____ FROM CONFIDENTIAL
 Flush Tool? NO

Rec. <u>110'</u>	Feet Of <u>WCM</u>	%gas	%oil <u>35</u>	%water <u>65</u>	%mud
Rec. _____	Feet Of <u>WCM</u>	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 1. @ 70 °F Chlorides 7,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud 2048 PSI Ak1 Recorder No. 11088 Range 4350
 (B) First Initial Flow Pressure 70 PSI @ (depth) 4341 w/Clock No. 25828
 (C) First Final Flow Pressure 70 PSI AK1 Recorder No. 10332 Range 7050
 (D) Initial Shut-in Pressure 1114 PSI @ (depth) 4351 w/Clock No. 26190
 (E) Second Initial Flow Pressure 101 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 101 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-in Pressure 1064 PSI Initial Opening 30 Test 100
 (H) Final Hydrostatic Mud 2078 PSI Initial Shut-in 45 Jars 200

Final Flow 60 Safety Joint 50
 Final Shut-in 60 Straddle _____
 Circ. Sub NO
 Sampler 200
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 1050

Approved By Gary Speer
 Our Representative Gary Speer

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.

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 7182 Date 7-2-94
Company Name Martin Drlg Co. Inc
Lease Isaac - Parson #1-9 Test No. #1
County Seward Sec. 9 Twp. 32 Rng. 32

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 1,000 ML
Water 3,000 ML
Other _____ ML
Pressure 200 PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 5,000 ppm.
Resistivity 1.0 ohms @ 90 F
Viscosity 37
Mud Weight 8.9
Filtrate 12.4
Other #1 LCM

SAMPLER ANALYSIS

Resistivity 1.0 ohms @ 72 F
Chlorides 8,000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 1.0 ohms @ 70 F
Chlorides 7,000 ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity 1.0 ohms @ 72 F
Chlorides 8,000 ppm.

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

CONFIDENTIAL

Well Name ISAAC-PARSON 1-9 Test No. 2 Date 7/4/94
 Company MURFIN DRILLING CO INC Zone IOLA
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837
 Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay 4
 Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested	<u>4606-4646</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>40</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>604</u>
Top Packer Depth	<u>4601</u>	Drill Collar - 2.25 Ft. Run	<u>9</u>
Bottom Packer Depth	<u>4606</u>	Mud Wt.	<u>45</u> lb/Gal.
Total Depth	<u>4646</u>	Viscosity	<u>12.2</u>

Tool Open @ 7:45 Initial Blow SURFACE BLOW BUILT TO 5"
 ISI: NO BLOW BACK
 Final Blow SURFACE BLOW BUILT TO 7"
 FSI: NO BLOW BACK

Recovery - Total Feet 245 Flush Tool? NO

Rec. <u>125</u>	Feet of	<u>GASSY OIL CUT MUD 5%GAS/10%OIL/85%MUD</u>
Rec. <u>120</u>	Feet of	<u>MUD CUT WATER 90%WATER/10%MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

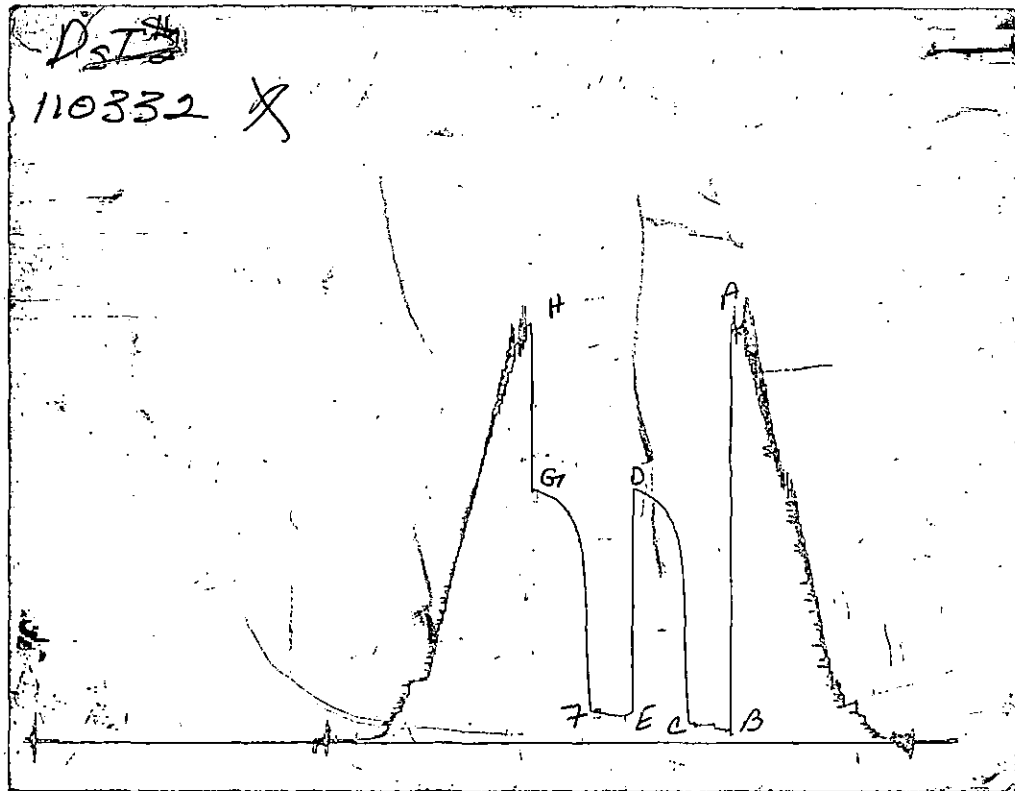
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BHT 115 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.12 @ 95 °F Chlorides 45000 ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud	<u>2268.0</u> PSI	AK1 Recorder No. <u>11088</u>	Range <u>4350</u>
(B) First Initial Flow Pressure	<u>74.9</u> PSI	@ (depth) <u>4609</u>	w / Clock No. <u>25828</u>
(C) First Final Flow Pressure	<u>99.1</u> PSI	AK1 Recorder No. <u>10332</u>	Range <u>4050</u>
(D) Initial Shut-in Pressure	<u>1328.6</u> PSI	@ (depth) <u>4600</u>	w / Clock No. <u>26190</u>
(E) Second Initial Flow Pressure	<u>161.9</u> PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure	<u>163.9</u> PSI	@ (depth) _____	w / Clock No. _____
(G) Final Shut-in Pressure	<u>1334.6</u> PSI	Initial Opening <u>30</u>	Final Flow <u>30</u>
(H) Final Hydrostatic Mud	<u>2188.0</u> PSI	Initial Shut-in _____	Final Shut-in <u>45</u>

Our Representative GARY SPEER

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JUL 28 1994
 CONSERVATION
 WICHITA



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2178	2268
(B) FIRST INITIAL FLOW PRESSURE	70	74.9
(C) FIRST FINAL FLOW PRESSURE	101	99.1
(D) INITIAL CLOSED-IN PRESSURE	1160	1328.6
(E) SECOND INITIAL FLOW PRESSURE	141	161.9
(F) SECOND FINAL FLOW PRESSURE	151	163.9
(G) FINAL CLOSED-IN PRESSURE	1316	1334.6
(H) FINAL HYDROSTATIC MUD	2188	2188

FLUID SAMPLER DATA

CONFIDENTIAL

Ticket No.: 7183 Date: 7/4/94
Company: MURFIN DRILLING CO INC/CANYON ENERGY
Lease: ISAAC-PARSON 1-9 Test No.: 2
County: SEWARD Sec.: 9 Twp.: 32S

RELEASED
AUG 1 8 1995
FROM CONFIDENTIAL;
Rng.: 32W

SAMPLER RECOVERY

Gas 2.9 CUFT
oil 700
Mud 100
Water 3200
Other
Pressure 500
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 10000
Resistivity 0.5 ohms@ 90 F
Viscosity 45
Mud Wt. 9
Filtrate 12.2
Other

SAMPLER ANALYSIS

Resistivity 0.08 ohms@ 90 F
Chlorides 60000 ppm.
Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms@ F
Chlorides ppm

MIDDLE

Resistivity ohms@ F
Chlorides ppm

BOTTOM

Resistivity 0.08 ohms@ 90 F
Chlorides 60000 ppm

ORIGINAL Test Ticket CONFIDENTIAL No. 7183

Well Name & No. Isaac-Parson 1-9 Test No. #1 Date 7-4-94
 Company Murfin Drilg. Co. Inc Zone Tested Iola Fm
 Address 250 North Water Suite 300-Wichita, KS Elevation 2837(GK)
 Co. Rep./Geo. Paul Godowic cont. Murfin Drilg. Co. #22 Est. Ft. of Pay 4
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4606-4646 Drill Pipe Size 4 1/2 xH
 Anchor Length 46 Top Choke — 1" _____ Bottom Choke — 1/4" _____
 Top Packer Depth 4601 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4606 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4646 Drill Collar — 2.25 Ft. Run 604'
 Mud Wt. 9.0 lb/gal. Viscosity 45 Filtrate 12.2
 Tool Open @ 7:45 Initial Blow Surface to 5" blow
ISI - no blow back
 Final Blow From Surface to 7" blow
FSI - no blow back

Recovery — Total Feet 245 Feet of Gas in Pipe _____

Rec.	Feet Of	% gas	% oil	% water	% mud
<u>125</u>	<u>GOCM</u>	<u>5</u>	<u>10</u>		
_____	_____	% gas	% oil	% water	% mud
_____	_____	% gas	% oil	% water	% mud
<u>120</u>	<u>WCM</u>			<u>90</u>	<u>10</u>
_____	_____	% gas	% oil	% water	% mud

BHT 115 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 12 @ 95 °F chlorides 45,000 ppm Recovery Chlorides 10,000 ppm System
 (A) Initial Hydrostatic Mud 2178 PSI AK1 Recorder No. 11088 Range 4350
 (B) First Initial Flow Pressure 70 PSI @ (depth) 4609 w/Clock No. 25828
 (C) First Final Flow Pressure 101 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-in Pressure 1160 PSI @ (depth) 4600 w/Clock No. 26190
 (E) Second Initial Flow Pressure 141 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 151 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-in Pressure 1316 PSI Initial Opening 30 Test 200
 (H) Final Hydrostatic Mud 2188 PSI Initial Shut-in 45 Jars _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Paul F Godowic
 Our Representative Gary Speer

Final Flow 30 Safety Joint _____
 Final Shut-in 45 Straddle _____
 Circ. Sub NC
 Sampler 200
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 200

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

CONFIDENTIAL

FLUID SAMPLER DATA

Ticket No. 7183 Date 7-4-94
Company Name Murfin Drilling Co. Inc
Lease Isaac-Parson 1-9 Test No. 2
County Seward Sec. 9 Twp. 32 Rng. 32

SAMPLER RECOVERY

Gas 2.9 cu ft ML
Oil 700 ML
Mud 100 ML
Water 3200 ML
Other _____ ML
Pressure 500 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 10,000 ppm.
Resistivity .5 ohms @ 90 F
Viscosity 45
Mud Weight 9.0
Filtrate 12.2
Other LCM - Trace

SAMPLER ANALYSIS

Resistivity .08 ohms @ 90 F
Chlorides 60,000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides Drilling Mud + oil ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity .08 ohms @ 90 F
Chlorides 60,000 ppm.

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

Drill-Stem Test Data

ORIGINAL

Well Name ISAAC-PARSON 1-9 Test No. 3 Date 7/5/94
 Company MURFIN DRILLING CO INC Zone SWOPE
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837
 Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay 14
 Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested	<u>4792-4838</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>46</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>604</u>
Top Packer Depth	<u>4782</u>	Drill Collar - 2.25 Ft. Run	<u>9.1</u>
Bottom Packer Depth	<u>4792</u>	Mud Wt.	<u>50</u> lb/Gal.
Total Depth	<u>4838</u>	Viscosity	<u>9.2</u>
		Filtrate	<u>50</u>

Tool Open @ 11:45AM Initial Blow SURFACE BLOW TO BOTTOM OF BUCKET IN 1 1/2 MINUTES
ISI: BLED OFF MOST OF PRESSURE - BLEW 5"
 Final Blow SURFACE BLOW TO BOTTOM OF BUCKET IN 1/2 MINUTE

Recovery - Total Feet 924 Flush Tool? NO

Rec. <u>3874</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>200</u>	Feet of	<u>GAS CUT MUD 10%GAS/90%MUD</u>
Rec. <u>724</u>	Feet of	<u>GASSY SALT WATER 5%GAS/95%WATER</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.07 @ 90 °F Chlorides 85000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2342.0 PSI AK1 Recorder No. 11088 Range 4350

(B) First Initial Flow Pressure 145.7 PSI @ (depth) 4798 w / Clock No. 25828

(C) First Final Flow Pressure 261.1 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 1481.8 PSI @ (depth) 4832 w / Clock No. 26190

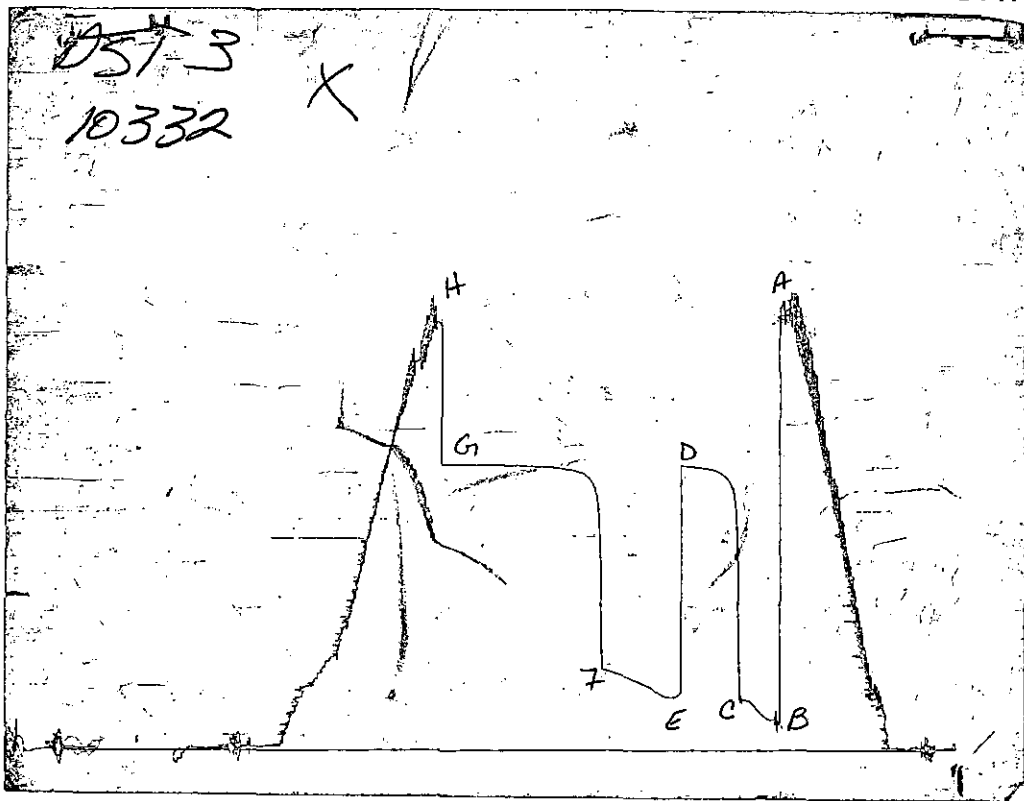
(E) Second Initial Flow Pressure 297.5 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 425.1 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1491.9 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2242.0 PSI Initial Shut-in 45 Final Shut-in 120

Our Representative GARY SPEER



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2278	2342
(B) FIRST INITIAL FLOW PRESSURE	172	145.7
(C) FIRST FINAL FLOW PRESSURE	263	261.1
(D) INITIAL CLOSED-IN PRESSURE	1487	1481.8
(E) SECOND INITIAL FLOW PRESSURE	273	297.5
(F) SECOND FINAL FLOW PRESSURE	404	425.1
(G) FINAL CLOSED-IN PRESSURE	1518	1491.9
(H) FINAL HYDROSTATIC MUD	2258	2242

GAS VOLUME REPORT

CONFIDENTIAL
ORIGINAL

MURFIN DRILLING CO INC/CANYON ENERGY

ISAAC-PARSON 1-9

DST # 3

MIN	INCHES	ORIFICE	MCF/D	MIN	INCHES	ORIFICE	MCF/D
	OF WTR				OF WTR		
GAS TO SURFACE 33 MINUTES INTO 2ND OPEN							
1:33PM	5	0.25	3.71				
1:45PM	5	0.25	3.71				
1:55PM	5	0.25	3.71				

Remarks:

FLUID SAMPLER DATA

CONFIDENTIAL

Ticket No.: 7184 Date: 7/5/94
 Company: MURFIN DRILLING CO INC/CANYON ENERGY
 Lease: ISAAC-PARSON 1-9 Test No.: 3
 County: SEWARD Sec.: 9 Twp.: 32S Rng.: 32W

SAMPLER RECOVERY

Gas 3.48 CUFT
 Oil 400
 Mud
 Water 2800
 Other
 Pressure 1400
 TOTAL 4000

PIT MUD ANALYSIS

Chlorides 5000
 Resistivity 0.9 ohms@ 90 F
 Viscosity 50
 Mud Wt. 9.1
 Filtrate 9.2
 Other

SAMPLER ANALYSIS

Resistivity 0.68 ohms@ 92 F
 Chlorides 85000 ppm.
 Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms@ F
 Chlorides ppm

MIDDLE

Resistivity 0.7 ohms@ 90 F
 Chlorides 85000 ppm

BOTTOM

Resistivity ohms@ 90 F
 Chloride 85000 ppm

RECEIVED
 JUL 28 1994
 CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL
CONFIDENTIAL

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-324-5389
Fax: 316-626-7108

Lab Number:	940348B	Analyzed:	07/16/94
Sample From:	Isaac-Parson 1-9 DST 3	Pressure:	
Producer:	Murfin Drilling	Temperature:	
Date:		Location:	9-32-32
Time:		County:	Seward
Sampler:		State:	Kansas
Source:		Formation:	Swope

	Mole %	GPM
Helium	He:	0.000
Oxygen	O2:	0.000
Nitrogen	N2:	22.265
Carbon Dioxide	CO2:	0.110
Methane	C1:	63.483
Ethane	C2:	5.792
Propane	C3:	4.441
Iso Butane	iC4:	0.649
Normal Butane	nC4:	1.469
Iso Pentane	iC5:	0.336
Normal Pentane	nC5:	0.476
Hexanes Plus	C6+:	0.979

TOTAL: 100.000 4.171
Z Fact: 0.9974
SP.GR.: 0.7927
BTU (SAT): 994.5 @ 14.73 psia
BTU (DRY): 1012.1 @ 14.73 psia
OCTANE RATING: 95.5

RELEASED

AUG 1 8 1995

FROM CONFIDENTIAL

COMMENTS: Sample entered under vacuum
Insufficient pressure for Helium analysis
Air calculated out

CONFIDENTIAL

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-324-5389
Fax: 316-626-7108

Lab Number:	940348A	Analyzed:	07/16/94
Sample From:	Isaac-Parson 1-9 DST 3	Pressure:	
Producer:	Murfin Drilling	Temperature:	
Date:		Location:	9-32-32
Time:		County:	Seward
Sampler:		State:	Kansas
Source:		Formation:	Swope

	Mole %	GPM
Helium	He:	0.000
Oxygen	O2:	4.382
Nitrogen	N2:	34.915
Carbon Dioxide	CO2:	0.086
Methane	C1:	49.573
Ethane	C2:	4.523
Propane	C3:	3.468
Iso Butane	iC4:	0.507
Normal Butane	nC4:	1.147
Iso Pentane	iC5:	0.262
Normal Pentane	nC5:	0.372
Hexanes Plus	C6+:	0.765

TOTAL: 100.000 3.257
Z Fact: 0.9981
SP.GR.: 0.8370
BTU (SAT): 776.1 @ 14.73 psia
BTU (DRY): 789.9 @ 14.73 psia
OCTANE RATING: 74.6

COMMENTS: Sample entered under vacuum
Insufficient pressure for Helium analysis
As Analyzed

KCC
JUL 27
CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

JUL 28 1994

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL Test Ticket CONFIDENTIAL No. 7184

Well Name & No. Isaac - Parson 1-9 Test No. #3 Date 7-5-94
 Company Murfin Drlg Co, Inc Zone Tested Swope
 Address 250 North Water Suite 300 Wichita Elevation 2837 (AL)
 Co. Rep./Geo. Paul Godowic Cont. Murfin Drlg Co. #22 Est. Ft. of Pay 14
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State Ks
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

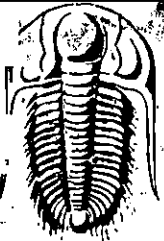
Interval Tested 4792 - 4838 Drill Pipe Size 4 1/2 x H
 Anchor Length 46 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4782 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4792 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4838 Drill Collar — 2.25 Ft. Run 604'
 Mud Wt. 9.1 lb/gal. Viscosity 50 Filtrate 9.2
 Tool Open @ 11:45 AM Initial Blow Surface to bottom of bucket in 1 1/2 min.
ISI - Bled off most of press - blew 5"
 Final Blow Surface to bottom of bucket in 1/2 min.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>3874</u> Feet Of _____	<u>3874</u>	<u>NO</u>
Rec. _____ Feet Of _____	<u>100</u> % gas	% oil _____ % water _____ % mud _____
Rec. <u>200</u> Feet Of _____	<u>600 M</u> 10 % gas	% oil _____ % water <u>90</u> % mud _____
Rec. _____ Feet Of _____	_____ % gas	% oil _____ % water _____ % mud _____
Rec. <u>724</u> Feet Of _____	<u>G SW</u> 5 % gas	% oil _____ % water <u>95</u> % mud _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .07 @ 90 °F Chlorides 85000 ppm Recovery Chlorides 5000 ppm System
 (A) Initial Hydrostatic Mud 2278 PSI AK1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure 172 PSI @ (depth) 4798 w/Clock No. 25828
 (C) First Final Flow Pressure 263 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure 1487 PSI @ (depth) 4832 w/Clock No. 26198
 (E) Second Initial Flow Pressure 273 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 404 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 1518 PSI Initial Opening 30 Test 600
 (H) Final Hydrostatic Mud 2258 PSI Initial Shut-In 45 Jars _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Paul F Godowic
 Our Representative Gary Speer
 Final Flow 60 Safety Joint _____
 Final Shut-In 120 Straddle _____
 Circ. Sub NC
 Sampler 200
 Extra Packer _____
 Other _____



TRILOBITE TESTING

CONFIDENTIAL

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Martin Drilling Co. Inc.
OPERATOR

Isaac-Parson 1-9
WELL NAME AND NO.

#3
DST NO.

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
		Gas to surface - 33 min into 2 nd opening					
1:33 pm	5	1/4	3.71				
1:45 pm	5	1/4	3.71				
1:55 pm	5	1/4	3.71				

Remarks:

01 NCR

RECEIVED
STATE CORPORATION COMMISSION
JUL 28 1994
CONSERVATION DIVISION
Wichita, Kansas

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

ORIGINAL

FLUID SAMPLER DATA

CONFIDENTIAL

Ticket No. #7184 Date 7-5-94
Company Name Murfin Drilg. Co. Inc.
Lease Isaac - Parson 1-9 Test No. #3
County Seward Sec. 9 Twp. 32 Rng. 32

3.48 SAMPLER RECOVERY

Gas ~~3.48~~ 400 ML
Oil 400 ML
Mud ML
Water 2800 ML
Other ML
Pressure 1400 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 5,000 ppm.
Resistivity .9 ohms @ 90 F
Viscosity 50
Mud Weight 9.1
Filtrate 9.2
Other LCM-#2

SAMPLER ANALYSIS

Resistivity .68 ohms @ 92 F
Chlorides 85,000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides Gas + Mud ppm.
MIDDLE
Resistivity .7 ohms @ 90 F
Chlorides 85,000 ppm.
BOTTOM
Resistivity .7 ohms @ 90 F
Chlorides 85,000 ppm.

KCC
JUL 27
CONFIDENTIAL

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

ORIGINAL

Drill-Stem Test Data

Well Name ISAAC-PARSON 1-9 Test No. 4 Date 7/7/94
 Company MURFIN DRILLING CO INC Zone CHEROKEE
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837
 Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay 4
 Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested	<u>5200-5234</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>34</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>604</u>
Top Packer Depth	<u>5195</u>	Drill Collar - 2.25 Ft. Run	<u>9.1</u>
Bottom Packer Depth	<u>5200</u>	Mud Wt.	<u>48</u> lb/Gal.
Total Depth	<u>5234</u>	Viscosity	<u>9</u> Filtrate

Tool Open @ 9:00AM Initial Blow WEAK SURFACE BLOW - DIED IN 5 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 5 Flush Tool? NO

RELEASED

Rec. 5 Feet of DRILLING MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

AUG 18 1995

FROM CONFIDENTIAL

BHT 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.8 @ 90 °F Chlorides 5500 ppm Recovery Chlorides 5500 ppm System

(A) Initial Hydrostatic Mud 2554.8 PSI AK1 Recorder No. 11088 Range 4350

(B) First Initial Flow Pressure 42.5 PSI @ (depth) 5203 w / Clock No. 25828

(C) First Final Flow Pressure 42.5 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 42.5 PSI @ (depth) 5228 w / Clock No. 26190

(E) Second Initial Flow Pressure 42.5 PSI AK1 Recorder No. _____ Range _____

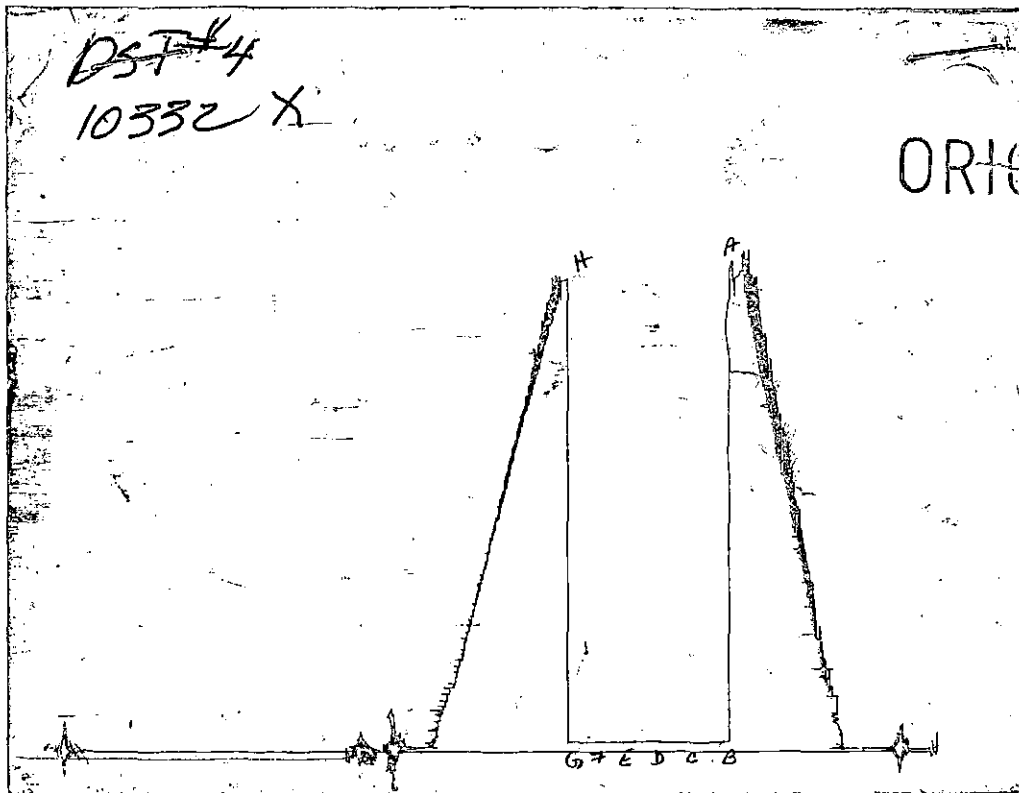
(F) Second Final Flow Pressure 42.5 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 42.5 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2466.0 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY SPEER

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2488	2554.8
(B) FIRST INITIAL FLOW PRESSURE	60	42.5
(C) FIRST FINAL FLOW PRESSURE	60	42.5
(D) INITIAL CLOSED-IN PRESSURE	60	42.5
(E) SECOND INITIAL FLOW PRESSURE	60	42.5
(F) SECOND FINAL FLOW PRESSURE	60	42.5
(G) FINAL CLOSED-IN PRESSURE	60	42.5
(H) FINAL HYDROSTATIC MUD	2488	2466

FLUID SAMPLER DATA

ORIGINAL

CONFIDENTIAL

Ticket No.: 7185 Date: 7/7/94
 Company: MURFIN DRILLING CO INC/CANYON ENERGY
 Lease: ISAAC-PARSON 1-9 Test No.: 4
 County: SEWARD Sec.: 9 Twp.: 32S Rng.: 32W

SAMPLER RECOVERY

Gas
 Oil
 Mud 4000
 Water
 Other
 Pressure
 TOTAL 4000

SAMPLER ANALYSIS

Resistivity 0.8 ohms@ 90 F
 Chlorides 5500 ppm.
 Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 5500
 Resistivity 0.8 ohms@ 90 F
 Viscosity 48
 Mud Wt. 9.1
 Filtrate 9
 Other

PIPE RECOVERY

TOP

Resistivity ohms@ F
 Chlorides ppm

MIDDLE

Resistivity ohms@ F
 Chlorides ppm

BOTTOM

Resistivity ohms@ F
 Chlorides ppm

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. #7185 Date 7-7-94
Company Name Martin Drilg. Co. Inc
Lease Isaac-Parson 1-9 Test No. #4
County Seward Sec. 9 Twp. 32 Rng. 32

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4,000 ML
Water _____ ML
Other _____ ML
Pressure 0 PSI
Total 4,000 ML

SAMPLER ANALYSIS

Resistivity .8 ohms @ 90 F
Chlorides 5,500 ppm.
Gravity _____ corrected @ 60 F

PIT MUD ANALYSIS

Chlorides 5,500 ppm.
Resistivity .8 ohms @ 90 F
Viscosity 48
Mud Weight 9.1
Filtrate 9.0
Other LCM #1

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

ORIGINAL

Test Ticket CONFIDENTIAL No 7185

Well Name & No. Isaac - Parson 1-9 Test No. #4 Date 7-8-94
 Company Murfin Drly Co. Inc. Zone Tested Cherokee
 Address 250 North Water Suite 300 Wichita Elevation 2837 (GL)
 CO. Rep./Geo. Paul Godowic Cont. Murfin Drly Co. Est. Ft. of Pay 4'
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State Ks
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 5200-5234 Drill Pipe Size 4 1/2 KH
 Anchor Length 34 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 5195 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 5200 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 5234 Drill Collar — 2.25 Ft. Run 604
 Mud Wt. 9.1 lb/gal. Viscosity 48 Filtrate 9
 Tool Open @ 9:00 AM Initial Blow Weak surface blow - died in
5 min.
 Final Blow No blow

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>5</u>	<u>—</u>	<u>No</u>
Rec. <u>5</u> Feet Of <u>Drly mud</u>	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil

BHT 12.1 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .8 @ 90 °F Chlorides 5,500 ppm Recovery Chlorides 5,500 ppm System

(A) Initial Hydrostatic Mud 2488 PSI AK1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure 60 PSI @ (depth) 5203 w/Clock No. 25828
 (C) First Final Flow Pressure 60 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure 60 PSI @ (depth) 5228 w/Clock No. 26199
 (E) Second Initial Flow Pressure 60 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 60 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 60 PSI Initial Opening 30 Test 700
 (H) Final Hydrostatic Mud 2488 PSI Initial Shut-In 30 Jars _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Paul F. Godowic
 Our Representative Gary Speer

Final Flow 30 Safety Joint _____
 Final Shut-In 30 Straddle _____
 Circ. Sub NC
 Sampler 200
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 900

ORIGINAL

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

Drill-Stem Test Data

Well Name ISAAC-PARSON 1-9 Test No. 5 Date 7/8/94
 Company MURFIN DRILLING CO INC/CANYON ENERGY Zone MORROW
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837 (GL)
 Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay 7
 Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested	<u>5486-5528</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>42</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>604</u>
Top Packer Depth	<u>5476</u>	Drill Collar - 2.25 Ft. Run	<u>9.1</u> lb/Gal.
Bottom Packer Depth	<u>5486</u>	Mud Wt.	<u>53</u>
Total Depth	<u>5528</u>	Viscosity	<u>8.4</u>

Tool Open @ 10:25 Initial Blow SURFACE TO 3 1/2" BLOW

Final Blow SURFACE TO 5" BLOW

Recovery - Total Feet 40 Flush Tool? NO

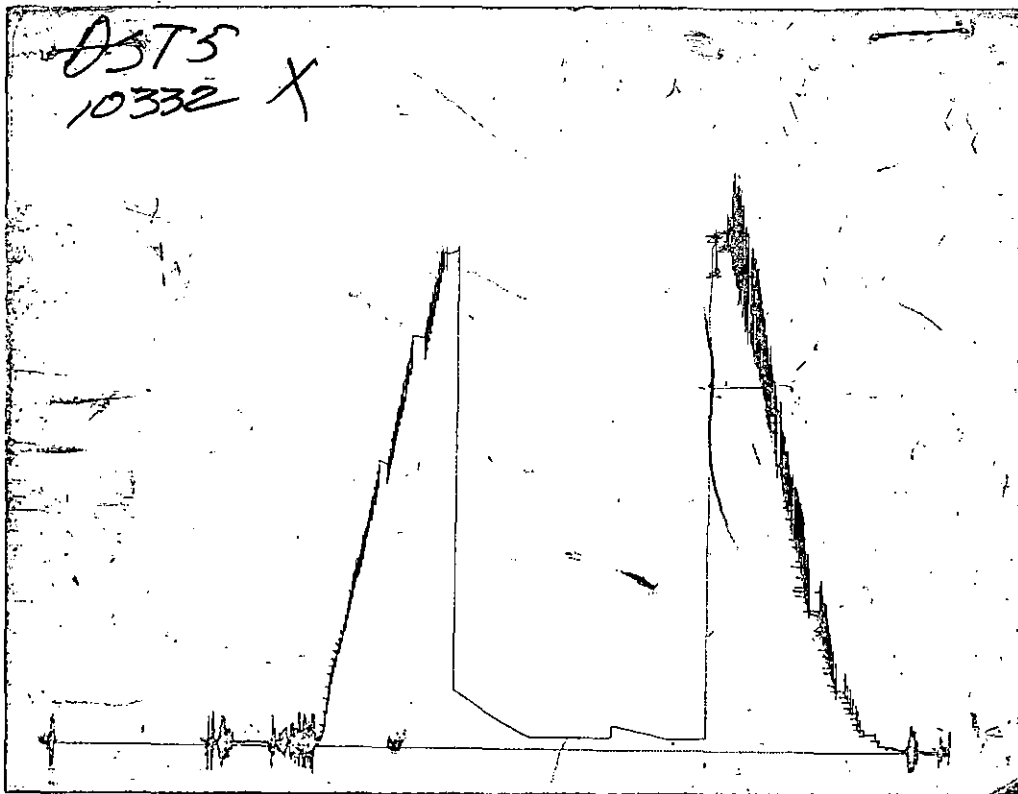
Rec. <u>40</u>	Feet of	<u>DRILLING MUD</u>	<u>RELEASED</u>	<u>KCC</u>
Rec. _____	Feet of	_____	_____	<u>JUL 27</u>
Rec. _____	Feet of	_____	<u>AUG 1 8 1995</u>	<u>CONFIDENTIAL</u>
Rec. _____	Feet of	_____	<u>FROM CONFIDENTIAL</u>	_____

BHT 123 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.09 @ 90 °F Chlorides 5000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud	<u>2724.5</u> PSI	AK1 Recorder No.	<u>11086</u>	Range	<u>4350</u>
(B) First Initial Flow Pressure	<u>71.8</u> PSI	@ (depth)	<u>5490</u>	w / Clock No.	<u>25828</u>
(C) First Final Flow Pressure	<u>60.7</u> PSI	AK1 Recorder No.	<u>10332</u>	Range	<u>4050</u>
(D) Initial Shut-in Pressure	<u>125.5</u> PSI	@ (depth)	<u>5526</u>	w / Clock No.	<u>26199</u>
(E) Second Initial Flow Pressure	<u>62.7</u> PSI	AK1 Recorder No.	_____	Range	_____
(F) Second Final Flow Pressure	<u>58.7</u> PSI	@ (depth)	_____	w / Clock No.	_____
(G) Final Shut-in Pressure	<u>305.6</u> PSI	Initial Opening	<u>30</u>	Final Flow	<u>60</u>
(H) Final Hydrostatic Mud	<u>2616.8</u> PSI	Initial Shut-in	<u>45</u>	Final Shut-in	<u>60</u>

Our Representative GARY SPEER

CHART PAGE



This is an actual photograph of recorder chart 10332

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2731	2724.5
(B) FIRST INITIAL FLOW PRESSURE	91	71.8
(C) FIRST FINAL FLOW PRESSURE	91	60.7
(D) INITIAL CLOSED-IN PRESSURE	131	125.5
(E) SECOND INITIAL FLOW PRESSURE	91	62.7
(F) SECOND FINAL FLOW PRESSURE	91	58.7
(G) FINAL CLOSED-IN PRESSURE	303	305.6
(H) FINAL HYDROSTATIC MUD	2579	2616.8

FLUID SAMPLER DATA

ORIGINAL

CONFIDENTIAL

Ticket No.: 7186 Date: 7/8/94
 Company: MURFIN DRILLING CO INC/CANYON ENERGY
 Lease: ISAAC-PARSON 1-9 Test No.: 5
 County: SEWARD Sec.: 9 Twp.: 32S Rng.: 32W

SAMPLER RECOVERY

Gas
 Oil
 Mud 4000
 Water
 Other .5 CUBIC FEET
 Pressure 300
 TOTAL 4000

PIT MUD ANALYSIS

Chlorides 5500
 Resistivity 0.09 ohms@ 90 F
 Viscosity 53
 Mud Wt. 9.1
 Filtrate 8.4
 Other LMC #1

SAMPLER ANALYSIS

Resistivity 0.9 ohms@ 90 F
 Chlorides 5000 ppm.
 Gravity corrected @60F

PIPE RECOVERY

TOP
 Resistivity 0.9 ohms@ 90 F
 Chlorides 5000 ppm

MIDDLE
 Resistivity ohms@ F
 Chlorides ppm

BOTTOM
 Resistivity ohms@ F
 Chlorides ppm

RECEIVED
 STATE CORPORATION COMMISSION
 JUL 28 1994
 CONSERVATION DIVISION
 Wichita, Kansas

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 7186 Date 7-8-94
Company Name Murfin Drilg Co. Inc.
Lease Isaac - Parson #9 Test No. 5
County Seward Sec. 9 Twp. 32 Rng. 32

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4000 ML
Water _____ ML
Other .5 Cubic feet ML
Pressure 300 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 5,000 ppm.
Resistivity .9 ohms @ 90 F
Viscosity 53
Mud Weight 9.1
Filtrate 8.4
Other LCM #1

SAMPLER ANALYSIS

Resistivity .9 ohms @ 90 F
Chlorides 5,000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

40'
TOP
Resistivity 0.9 ohms @ 90 F
Chlorides 5,000 ppm.

MIDDLE

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

ORIGINAL Test Ticket CONFIDENTIAL No 7186

Well Name & No. Isaac - Parson 1-9 Test No. 5 Date 7-8-84
 Company Murfin Drlg. Co., Inc. Zone Tested Morrow
 Address 250 North Water Suite 300 Wichita Elevation 2837 (GL)
 Co. Rep./Geo. Paul Godowic cont. Murfin Drlg Co #22 Est. Ft. of Pay 7
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State Ks
 No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 5486 - 5528 Drill Pipe Size 4 1/2 x H
 Anchor Length 42 Top Choke - 1" _____ Bottom Choke - 3/4" _____
 Top Packer Depth 5476 Hole Size - 7 7/8" _____ Rubber Size - 6 3/4" _____
 Bottom Packer Depth 5486 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Total Depth 5528 Drill Collar - 2.25 Ft. Run 604'
 Mud Wt. 9.1 lb/gal. Viscosity 53 Filtrate 8.4
 Tool Open @ 10:25 Initial Blow Surface to 3 1/2" blow
 Final Blow Surface to 5" blow K00

JUL 27 1984

Recovery - Total Feet	Feet of Gas In Pipe	% gas	% oil	% water	% mud
<u>40</u>	<u>Drlg Mud</u>			<u>100</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 123 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.9 @ 90 °F Chlorides 5,000 ppm Recovery Chlorides 5,000 ppm System
 (A) Initial Hydrostatic Mud 2731 PSI Ak1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure 91 PSI @ (depth) 5490 w/Clock No. 25828
 (C) First Final Flow Pressure 91 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure 131 PSI @ (depth) 5526 w/Clock No. 26199
 (E) Second Initial Flow Pressure 91 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 91 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 303 PSI Initial Opening 30 Test 700
 (H) Final Hydrostatic Mud 2579 PSI Initial Shut-In 45 Jars 200

Final Flow 60 Safety Joint _____
 Final Shut-In 60 Straddle _____
 Circ. Sub MC
 Sampler 200
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 1100

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 Paul F. Godowic
 Our Representative Gary Speer

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

CONFIDENTIAL

ORIGINAL

Well Name ISAAC-PARSON 1-9 Test No. 6 Date 7/9/94
 Company MURFIN DRILLING CO INC Zone MORROW
 Address 250 N WATER #300 WICHITA KS 67202 Elevation 2837
 Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay 17
 Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested	<u>5494-5626</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>132</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u> </u>
Top Packer Depth	<u>5484</u>	Drill Collar - 2.25 Ft. Run	<u>604</u>
Bottom Packer Depth	<u>5494</u>	Mud Wt.	<u>9</u> lb/Gal.
Total Depth	<u>5626</u>	Viscosity	<u>50</u> Filtrate <u>7.8</u>

Tool Open @ 9:57 P.M. Initial Blow BOTTOM OF BUCKET IN 2 MIN-GAS TO SURFACE
IN 9 MIN-GAUGED 14 PSI WITH ORIFICE SIZE 1/2"
 Final Blow STABLE @ 14 PSI WITH ORIFICE SIZE 1/2"

Recovery - Total Feet 300 Flush Tool? NO

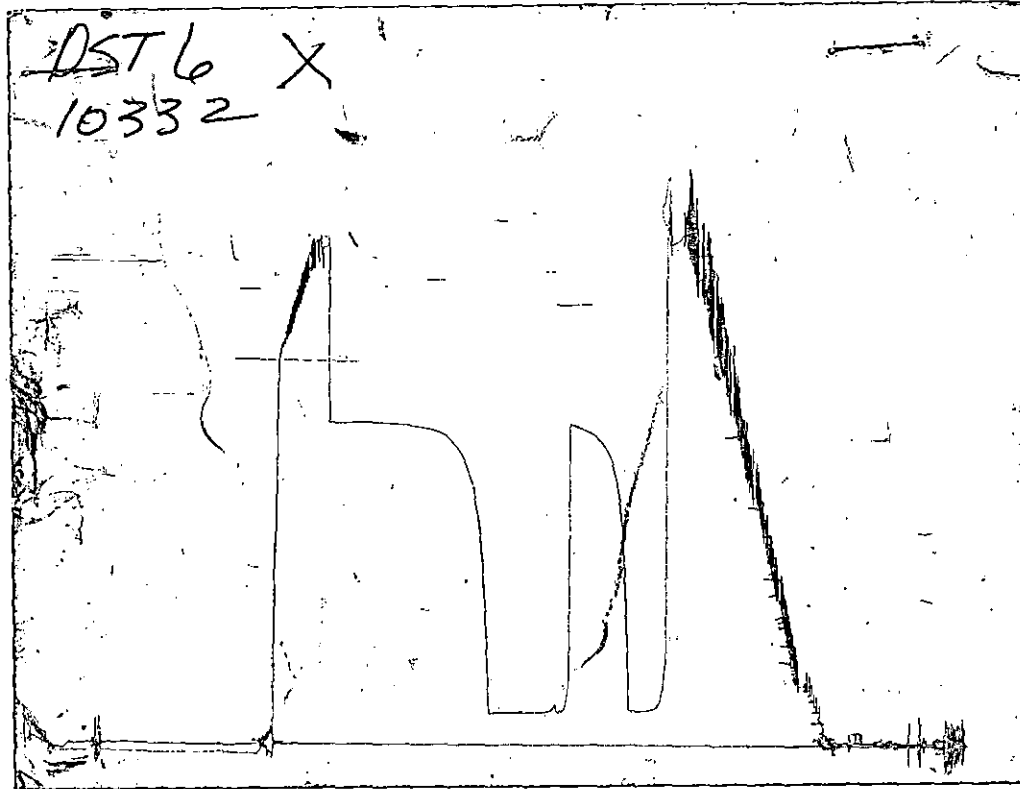
Rec. 5132 Feet of GAS IN PIPE
 Rec. 300 Feet of GAS CUT MUD 10% GAS/90% MUD
 Rec. 5132 Feet of GAS 100% GAS
 Rec. Feet of
 Rec. Feet of

BHP 36 °F Gravity °API @ °F Corrected Gravity °API
 RW 1 @ 90 °F Chlorides 4500 ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud 2654.8 PSI AK1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure 203.4 PSI @ (depth) 5497 w / Clock No. 25828
 (C) First Final Flow Pressure 178.1 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-in Pressure 1704.0 PSI @ (depth) 5620 w / Clock No. 26191
 (E) Second Initial Flow Pressure 176.1 PSI AK1 Recorder No. Range
 (F) Second Final Flow Pressure 172.0 PSI @ (depth) w / Clock No.
 (G) Final Shut-in Pressure 1708.1 PSI Initial Opening 30 Final Flow 60
 (H) Final Hydrostatic Mud 2654.8 PSI Initial Shut-in 45 Final Shut-in 120

Our Representative GARY SPEER

CHART PAGE



	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2630	2654.8
(B) FIRST INITIAL FLOW PRESSURE	192	203.4
(C) FIRST FINAL FLOW PRESSURE	182	178.1
(D) INITIAL CLOSED-IN PRESSURE	1702	1704
(E) SECOND INITIAL FLOW PRESSURE	182	176.1
(F) SECOND FINAL FLOW PRESSURE	182	172
(G) FINAL CLOSED-IN PRESSURE	1702	1708.1
(H) FINAL HYDROSTATIC MUD	2630	2654.8

ORIGINAL

CONFIDENTIAL

COMPUTER GAS EVALUATION BY TRILOBITE TESTING, L.L.C.
MURFIN DRILLING CO INC

ISAAC-PARSON 1-9

DST 6

9 32S 32W

SEWARD

KS

ELEVATION:	2848 KB	EST. PAY:	17 FT.
DATUM:	-2753	ZONE TESTED:	
TEST INTERVAL:	5494-5626	TIME INTERVALS:	30-45-60-120
RECORDER DEPTH:	5600	VISCOSITY:	0.01268 CP
BOTTOM HOLE TEMP:	136	HOLE SIZE:	7.875 IN
COMPRESSIBILITY:	0.9975	GAS GRAVITY:	0.6869

TEMPERATURE RANKINE:	596.00	&
TRANSMISSIBILITY:	2408.99	Kh/%
THEORITICAL FLOW CAPICITY:	30.55	Kh
AVERAGE EFFECTIVE PERMEABILITY:	1.80	K(md.)
RADIUS OF INVESTIGATION:	12.72	FT.
DAMAGE RATIO:	8.94	
ABSOLUTE OPEN FLOW(MAX)	142.42	MCFD
ABSOLUTE OPEN FLOW(MIN)	41.71	MCFD
THEORITICAL OPEN FLOW(MAX)	1273.03	MCFD
THEORITICAL OPEN FLOW(MIN)	1266.68	MCFD
POTENTIOMETRIC SURFACE	1247.56	(FT.)

RELEASED

AUG 1 8 1995

FROM CONFIDENTIAL

INITIAL SHUT-IN VALUES:

SLOPE	430226.28
THEORETICAL STATIC PRESSURE	1826

FINAL SHUT-IN VALUES:

SLOPE	56962.84
THEORETICAL STATIC PRESSURE	1725

DRAWDOWN FACTOR: 5.55 (%)

PER PERCISION GAS ANALYSIS

RECEIVED
STATE CONSERVATION COMMISSION
JUL 28 1994
CONSERVATION DIVISION
Wichita, Kansas

INITIAL FLOW

RECORDER 10332

DST # 6

CONFIDENTIAL

TIME(MIN) PRESSURE <> PRESSURE

0	203.4	203.4
3	194.3	-9.1
6	187.2	-7.1
9	182.1	-5.1
12	178.1	-4.0
15	178.1	0.0
18	178.1	0.0
21	178.1	0.0
24	178.1	0.0
27	178.1	0.0
30	178.1	0.0

FINAL FLOW

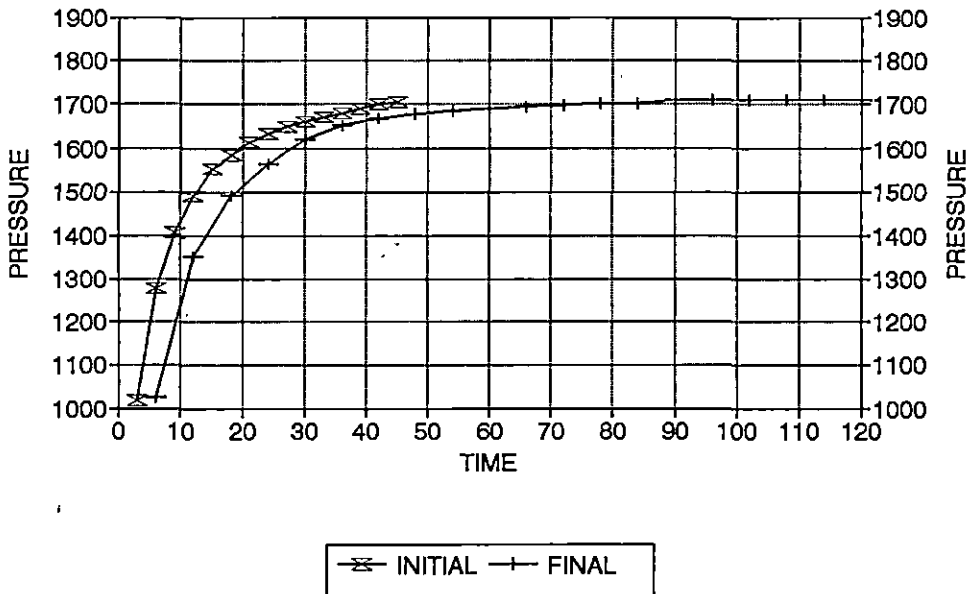
RECORDER 10332

DST # .6

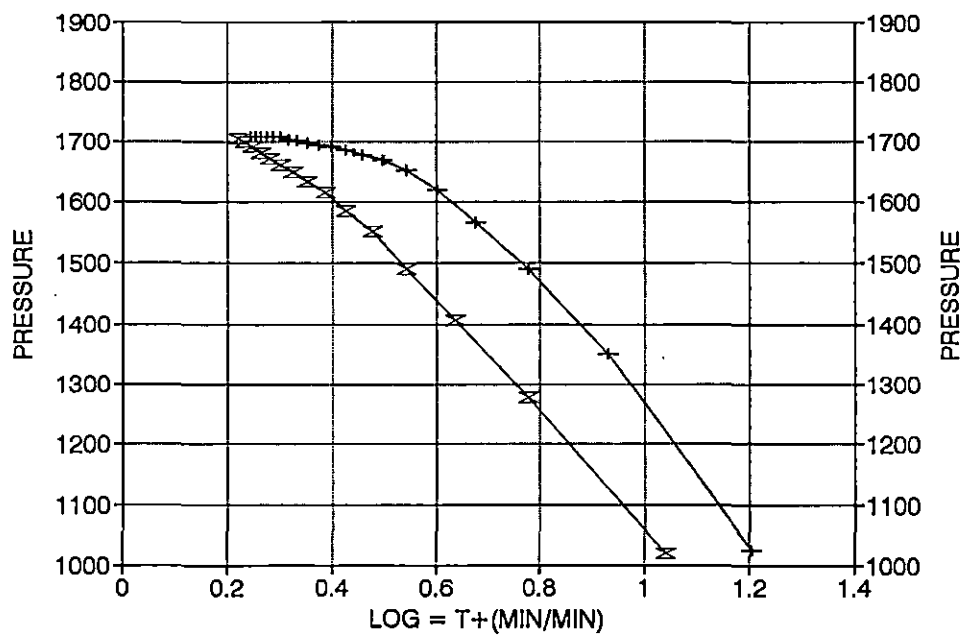
TIME(MIN) PRESSURE <> PRESSURE

0	176.1	176.1
3	176.1	0.0
6	176.1	0.0
9	174.1	-2.0
12	174.1	0.0
15	175.1	1.0
18	172.1	-3.0
21	172.1	0.0
24	172.1	0.0
27	172.1	0.0
30	172.1	0.0
33	172.1	0.0
36	172.1	0.0
39	172.1	0.0
42	172.1	0.0
45	172.1	0.0
48	172.1	0.0
51	172.1	0.0
54	172.1	0.0
57	172.1	0.0
60	172.1	0.0

ISAAC-PARSONS 1-9 / DST #6 DELTA T DELTA P



HORNER PLOT



ISAAC-PARSONS
INITIAL

DST #6
SHUTIN

30 INITIAL FLOW TIME Slope 430226.28 psi/cycle
P * 1826 psi

Log <>
TIME(MIN) Pws (psi) Horn T PRESSURE Horn T

3 1019.1 1.041 1019.1 11
6 1277.2 0.778 258.1 6
9 1407.2 0.637 130.0 4
12 1491.1 0.544 83.9 4
15 1552.1 0.477 61.0 3
18 1584.6 0.426 32.5 3
21 1614.2 0.385 29.6 2
X 24 1632.5 0.352 18.3 2
27 1648.9 0.325 16.4 2
30 1660.1 0.301 11.2 2
33 1670.3 0.281 10.2 2
36 1681.6 0.263 11.3 2
39 1690.8 0.248 9.2 2
42 1699.9 0.234 9.1 2
X 45 1704.1 0.222 4.2 2

ISAAC-PARSONS
FINAL

DST #6
SHUTIN

90 TOTAL FLOW TIME Slope 56962.84 psi/cycle
P * 1725 psi

Log <>
Pws (psi) Horn T PRESSURE Horn T

6 1024.1 1.204 1024.1 16
12 1350.8 0.929 326.7 9
18 1492.1 0.778 141.3 6
24 1566.3 0.677 74.2 5
30 1620.4 0.602 54.1 4
36 1652.1 0.544 31.7 4
42 1668.3 0.497 16.2 3
48 1677.5 0.459 9.2 3
54 1685.7 0.426 8.2 3
60 1690.8 0.398 5.1 3
66 1693.8 0.374 3.0 2
72 1697.9 0.352 4.1 2
78 1702.1 0.333 4.2 2
X 84 1703.1 0.316 1.0 2
90 1708.1 0.301 5.0 2
96 1708.1 0.287 0.0 2
102 1708.1 0.275 0.0 2
108 1708.1 0.263 0.0 2
114 1708.1 0.253 0.0 2

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AUG 1 8 1995

FROM CONFIDENTIAL

KCC
JUL 27
CONFIDENTIAL

ORIGINAL

CONFIDENTIAL

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L.L.C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, L.L.C.
 728 North Roosevelt
 Liberal, Kansas 67901
 Phone: 316-324-5389
 Fax: 316-626-7108

Lab Number:	940338	Analyzed:	07/10/94
Sample From:	Isaac-Parson 1-9 DST 6	Pressure:	
Producer:	Murfin Drilling	Temperature:	
Date:		Location:	9-32-32
Time:		County:	Seward
Sampler:		State:	Kansas
Source:		Formation:	Lower Morrow

	Mole %	GPM
Helium	He: 0.299	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 9.593	0.000
Carbon Dioxide	CO2: 0.210	0.000
Methane	C1: 79.704	0.000
Ethane	C2: 5.217	1.395
Propane	C3: 2.926	0.806
Iso Butane	iC4: 0.402	0.132
Normal Butane	nC4: 0.786	0.248
Iso Pentane	iC5: 0.175	0.064
Normal Pentane	nC5: 0.240	0.087
Hexanes Plus	C6+: 0.448	0.195

TOTAL: 100.000 2.927
 Z Fact: 0.9975
 SP.GR.: 0.6869
 BTU (SAT): 1035.9 @ 14.73 psia
 BTU (DRY): 1054.3 @ 14.73 psia
 OCTANE RATING: 113.3

COMMENTS:

GAS VOLUME REPORT

MURFIN DRILLING CO INC

ISAAC-PARSON 1-9

DST # 6

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
10	14	0.5	141	11:15	14	0.5	141
20	14	0.5	141	10	14	0.5	141
30	14	0.5	141	20	14	0.5	141
				30	14	0.5	141
				40	14	0.5	141

Remarks: GAS TO SURFACE @ 10:06

RECEIVED
STATE CORPORATION COMMISSION

JUL 28 1994

CONSERVATION DIVISION
Wichita, Kansas

FLUID SAMPLER DATA

ORIGINAL

CONFIDENTIAL

Ticket No.: 7187

Date: 7/9/94

Company: MURFIN DRILLING CO INC

Lease: ISAAC-PARSON 1-9

Test No.: 6

County: SEWARD

Sec.: 9

Twp.: 32S

Rng.: 32W

SAMPLER RECOVERY

Gas

Oil

Mud

Water

Other

Pressure

TOTAL

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 4500

Resistivity 1 ohms@ 90 F

Viscosity 50

Mud Wt. 9

Filtrate 7.8

Other LCM #1

PIPE RECOVERY

TOP

Resistivity ohms@ F

Chlorides ppm

MIDDLE

Resistivity ohms@ F

Chlorides ppm

BOTTOM

Resistivity ohms@ F

Chlorides ppm

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 7187 Date 7-9-94
Company Name Martin Drilling Co.
Lease Isaac-Parson 1-9 Test No. 6
County Seward Sec. 9 Twp. 32 Rng. 32

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud _____ ML
Water _____ ML
Other _____ ML
Pressure _____ PSI
Total _____ ML

PIT MUD ANALYSIS

Chlorides 4,500 ppm.
Resistivity 1.0 ohms @ 96 F
Viscosity 50
Mud Weight 9.0
Filtrate 7.8
Other LCM #1

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

ALOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

CONFIDENTIAL

GAS VOLUME REPORT

Martin Drilling Co.
OPERATOR

Isaac-Parson 1-9
WELL NAME AND NO.

6
DST NO.

gas to surface @ 10:06 pm

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
10	14	1/2	141				
20	14	1/2	141				
30	14	1/2	141				
2 nd opening							
11/15	14	1/2	141				
10	14	1/2	141				
20	14	1/2	141				
30	14	1/2	141				
40	14	1/2	141				

RELEASED

AUG 18 1995

FROM CONFIDENTIAL

Remarks:

Test Ticket **CONFIDENTIAL** No. 7187

Well Name & No. Isaac - Parson 1-9 Test No. 6 Date 7-9-94
 Company Murfin Drlg Co. Inc. Zone Tested Lower Morrow
 Address 250 North Water Suite 300 Wichita Elevation 2837 (BL)
 Co. Rep./Geo. Paul Godowic cont. Murfin Drlg Co. #22 Est. Ft. of Pay 17
 Location: Sec. 9 Twp. 32 Rge. 32 ✓ Co. Seward State Ks
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No X Evaluation

Interval Tested 5494 - 5626 Drill Pipe Size 4 1/2 x H
 Anchor Length 132 Top Choke — 1" _____ Bottom Choke — 1/4" _____
 Top Packer Depth 5484 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 5494 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 5626 Drill Collar — 2.25 Ft. Run 604
 Mud Wt. 9.0 lb/gal. Viscosity 50 Filtrate 7.8
 Tool Open @ 9:57pm Initial Blow Bottom of bucket in 2 min.
Gas to surface in 9 min. - gauged 14psi w/orifice size 1/2"
 Final Blow Stable @ 14 psi w/orifice size 1/2"

Recovery — Total Feet	<u>300</u>	Feet of Gas In Pipe	<u>5132</u>	Flush Tool?	<u>NO</u>
Rec.	<u>300</u>	Feet Of	<u>ACM</u>	% gas	<u>10</u>
Rec.		Feet Of		% oil	
Rec.	<u>5132</u>	Feet Of	<u>Gas RELEASED</u>	% water	<u>90</u>
Rec.		Feet Of	<u>100</u>	% mud	
Rec.		Feet Of		% gas	
Rec.		Feet Of	<u>AUG 1 8 1995</u>	% oil	
Rec.		Feet Of		% water	
Rec.		Feet Of		% mud	

BHT 136 °F Gravity FROM CONFIDENTIAL °F Corrected Gravity _____ °API
 RW 1.0 @ 90 °F Chlorides 4,500 ppm Recovery Chlorides 4,500 ppm System

(A) Initial Hydrostatic Mud 2630 PSI AK1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure 192 PSI @ (depth) 5497 w/Clock No. 25828
 (C) First Final Flow Pressure 182 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure 1702 PSI @ (depth) 5620 w/Clock No. 26191
 (E) Second Initial Flow Pressure 182 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 182 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 1702 PSI Initial Opening 30 Test ✓ 760
 (H) Final Hydrostatic Mud 2630 PSI Initial Shut-In 45 Jars ✓ 200

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 Carl F. Gordon KCC
 Our Representative Gary Speer JUL 27
 RECEIVED STATE CORPORATION COMMISSION JUL 28 1994
 Safety Joint _____
 Straddle _____
 Circ. Sub ✓ NC
 Sampler ✓ 200
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 1100

CONFIDENTIAL
 CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

Drill-Stem Test Data

Well Name ISAAC-PARSON 1-9 Test No. 7 Date 7/12/94
 Company MURFIN DRILLING CO INC Zone MORROW
 Address 250 N WATER #300 WICHITA KS 67202 Elevation 2837
 Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay 7
 Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested	<u>5496-5653</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>157</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u> </u>
Top Packer Depth	<u>5491/5653</u>	Drill Collar - 2.25 Ft. Run	<u>399</u>
Bottom Packer Depth	<u>5496/5685</u>	Mud Wt.	<u>9</u> lb/Gal.
Total Depth	<u>5820</u>	Viscosity	<u>52</u>
		Filtrate	<u>8.2</u>

Tool Open @ 3:40AM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 3 MINUTES
GAS TO SURFACE IN 15 MINUTES
 Final Blow GAS TO SURFACE AS TOOL OPENED
BOTTOM PACKER FAILED

Recovery - Total Feet 330 Flush Tool? NO

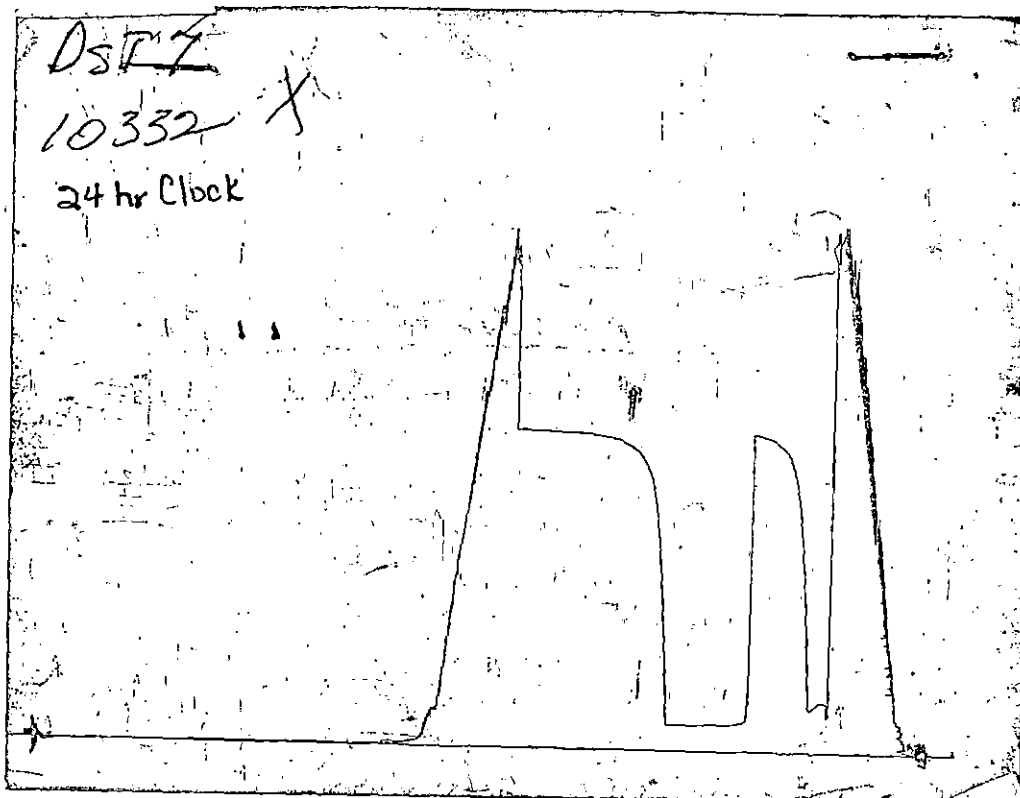
Rec. 5323 Feet of GAS IN PIPE
 Rec. 330 Feet of DRILLING MUD
 Rec. Feet of
 Rec. Feet of
 Rec. Feet of

BHT 130 °F Gravity °API @ °F Corrected Gravity °API
 RW 0.825 @ 90 °F Chlorides 5750 ppm Recovery Chlorides 5750 ppm System

(A) Initial Hydrostatic Mud 2680.2 PSI AK1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure 239.4 PSI @ (depth) 5499 w / Clock No. 21058
 (C) First Final Flow Pressure 228.6 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-in Pressure 1664.2 PSI @ (depth) 5514 w / Clock No. 27475
 (E) Second Initial Flow Pressure 164.3 PSI AK1 Recorder No. 6730 Range 4200
 (F) Second Final Flow Pressure 138.6 PSI @ (depth) 5817 w / Clock No. 26199
 (G) Final Shut-in Pressure 1677.5 PSI Initial Opening 30 Final Flow 120
 (H) Final Hydrostatic Mud 2601.5 PSI Initial Shut-in 90 Final Shut-in 240

Our Representative ROBERT COLLINS

CHART PAGE



This is an actual photograph of recorder chart 10332

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2670	2680.2
(B) FIRST INITIAL FLOW PRESSURE	232	239.4
(C) FIRST FINAL FLOW PRESSURE	222	228.6
(D) INITIAL CLOSED-IN PRESSURE	1661	1664.2
(E) SECOND INITIAL FLOW PRESSURE	151	164.3
(F) SECOND FINAL FLOW PRESSURE	131	138.6
(G) FINAL CLOSED-IN PRESSURE	1661	1677.5
(H) FINAL HYDROSTATIC MUD	2579	2601.5

ORIGINAL

CONFIDENTIAL

COMPUTER GAS EVALUATION BY TRILOBITE TESTING, L.L.C.

MURFIN DRILLING CO INC

ISAAC-PARSON 1-9

DST 7

9 32S 32W

SEWARD

KS

ELEVATION:	2837 KB	EST. PAY:	7 FT.
DATUM:	-2764	ZONE TESTED:	MORROW
TEST INTERVAL:	5494-5626	TIME INTERVALS:	30-90-120-240
RECORDER DEPTH:	5514	VISCOSITY:	0.01268 CP
BOTTOM HOLE TEMP:	130	HOLE SIZE:	7.875 IN
COMPRESSIBILITY:	0.9975	GAS GRAVITY:	0.6869

TEMPERATURE RANKINE:	590.00	&
TRANSMISSIBILITY:	4259.48	Kh/ft
THEORITICAL FLOW CAPICITY:	54.03	Kh
AVERAGE EFFECTIVE PERMEABILITY:	7.72	K(md.)
RADIUS OF INVESTIGATION:	34.02	FT.
DAMAGE RATIO:	13.87	
ABSOLUTE OPEN FLOW(MAX)	116.79	MCFD
ABSOLUTE OPEN FLOW(MIN)	116.39	MCFD
THEORITICAL OPEN FLOW(MAX)	1619.92	MCFD
THEORITICAL OPEN FLOW(MIN)	1614.43	MCFD
POTENTIOMETRIC SURFACE	1145.22	(FT.)

INITIAL SHUT-IN VALUES:

SLOPE	211848.16
THEORETICAL STATIC PRESSURE	1727

FINAL SHUT-IN VALUES:

SLOPE	26237.07
THEORETICAL STATIC PRESSURE	1685

DRAWDOWN FACTOR: 2.40 (%)

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JUL 28 1994

CONSERVATION DIVISION
Wichita, Kansas

KCC

JUL 27

CONFIDENTIAL

ISAAC-PARSONS
INITIAL

DST #7
SHUTIN

30 INITIAL FLOW TIME

Slope 211848.16 psi/cycle
P * 1727 psi

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	6	622.9	0.778	622.9	6
	12	1009.1	0.544	386.2	4
	18	1286.2	0.426	277.1	3
	24	1368.8	0.352	82.6	2
	30	1448.6	0.301	79.8	2
	36	1526.5	0.263	77.9	2
	42	1566.3	0.234	39.8	2
	48	1591.8	0.211	25.5	2
	54	1610.2	0.192	18.4	2
	60	1623.4	0.176	13.2	2
	66	1645.9	0.163	22.5	1
	72	1653.1	0.151	7.2	1
X	78	1660.1	0.141	7.0	1
X	84	1664.2	0.133	4.1	1

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150 TOTAL FLOW TIME

Slope 26237.07 psi/cycle
P * 1685 psi

ORIGINAL

CONFIDENTIAL

	Pws (psi)	Horn T	Log <> PRESSURE	Horn T	
	6	985.6	1.415	985.6	26
	12	1369.9	1.130	384.3	14
	18	1512.3	0.970	142.4	9
	24	1572.4	0.860	60.1	7
	30	1616.3	0.778	43.9	6
	36	1640.8	0.713	24.5	5
	42	1654.1	0.660	13.3	5
	48	1662.2	0.615	8.1	4
	54	1670.3	0.577	8.1	4
	60	1673.4	0.544	3.1	4
	66	1673.4	0.515	0.0	3
	72	1673.4	0.489	0.0	3
	78	1673.4	0.466	0.0	3
	84	1673.4	0.445	0.0	3
	90	1673.4	0.426	0.0	3
	96	1673.4	0.409	0.0	3
	102	1675.5	0.393	2.1	2
X	108	1675.5	0.378	0.0	2
	114	1677.5	0.365	2.0	2
	120	1677.5	0.352	0.0	2
	126	1677.5	0.341	0.0	2
	132	1677.5	0.330	0.0	2
	138	1677.5	0.320	0.0	2
	144	1677.5	0.310	0.0	2
X	150	1677.5	0.301	0.0	2

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JUL 28 1994

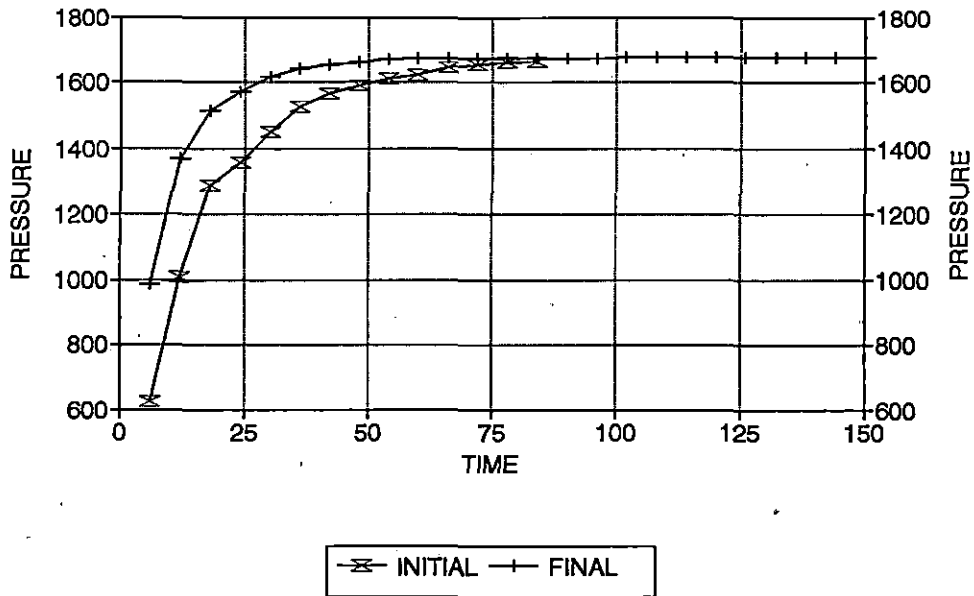
CONSERVATION DIVISION
Wichita, Kansas

KCC

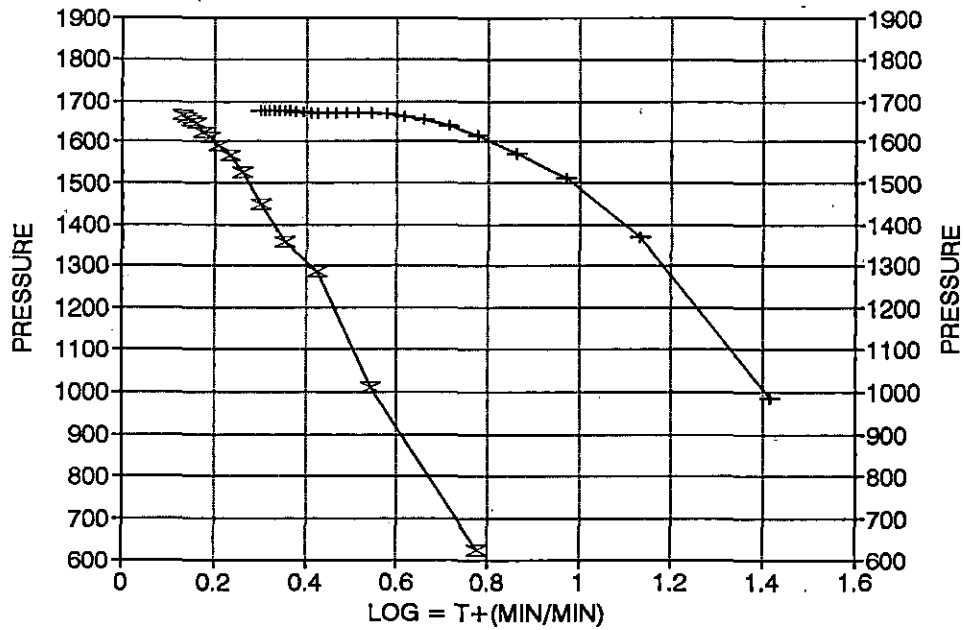
JUL 27

CONFIDENTIAL

ISAAC PARSONS 1-9 / DST #7 DELTA T DELTA P



HORNER PLOT



FLUID SAMPLER DATA

ORIGINAL

CONFIDENTIAL

Ticket No.: 7188 Date: 7/12/94
 Company: MURFIN DRILLING CO INC
 Lease: ISAAC-PARSON 1-9 Test No.: 7
 County: SEWARD Sec.: 9 Twp.: 32S Rng.: 32W

SAMPLER RECOVERY

Gas 13.35 CUFT
 Oil
 Mud 200
 Water
 Other
 Pressure 1650
 TOTAL 4000

SAMPLER ANALYSIS

Resistivity 0.825 ohms@ 90 F
 Chlorides 5750 ppm.
 Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 5750
 Resistivity 0.825 ohms@ 90 F
 Viscosity 52
 Mud Wt. 9
 Filtrate 8.2
 Other

RELEASED

AUG 1 8 1995

FROM CONFIDENTIAL

PIPE RECOVERY

TOP

Resistivity 0.825 ohms@ 90 F
 Chlorides 5750 ppm

MIDDLE

Resistivity ohms@ F
 Chlorides ppm

BOTTOM

Resistivity 0.825 ohms@ 90 F
 Chlorides 5750 ppm

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 JUL 28 1995
 CONSERVATION DIVISION
 Wichita, Kansas

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-324-5389
Fax: 316-626-7108

Lab Number:	940349	Analyzed:	07/16/94
Sample From:	Isaac-Parson 1-9 DST 7	Pressure:	
Producer:	Murfin Drilling	Temperature:	
Date:		Location:	9-32-32
Time:		County:	Seward
Sampler:		State:	Kansas
Source:		Formation:	Morrow

	Mole %	GPM
Helium	He:	0.000
Oxygen	O2:	0.000
Nitrogen	N2:	8.662
Carbon Dioxide	CO2:	0.000
Methane	C1:	80.900
Ethane	C2:	5.318
Propane	C3:	2.980
Iso Butane	iC4:	0.427
Normal Butane	nC4:	0.824
Iso Pentane	iC5:	0.196
Normal Pentane	nC5:	0.245
Hexanes Plus	C6+:	0.448

TOTAL: 100.000 2.999
Z Fact: 0.9975
SP.GR.: 0.6847
BTU (SAT): 1054.1 @ 14.73 psia
BTU (DRY): 1072.7 @ 14.73 psia
OCTANE RATING: 115.1

COMMENTS: Sample entered under vacuum
Insufficient pressure for Helium analysis

GAS VOLUME REPORT

MURFIN DRILLING CO INC

ORIGINAL

CONFIDENTIAL

ISAAC-PARSON 1-9

DST # 7

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
15	5	0.375	44.2	20	8	0.5	101
20	6	0.375	48.8	40	9	0.5	108
25	6	0.375	48.8	60	10	0.5	116
				80	10	0.5	116
				100	10	0.5	116
				120	10	0.5	116

Remarks: GAS TO SURFACE IN 15 MINUTES / GAS WILL BURN

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 7188 Date 7-12-94
Company Name Martin Dr/g.
Lease Isaac - Parson 1-9 Test No. 7
County Seward Sec. 9 Twp. 32 Rng 32

SAMPLER RECOVERY

Gas 1335 ML
Oil _____ ML
Mud 200 ML
Water _____ ML
Other _____ ML
Pressure 1650 PSI
Total 4000 ML

PIT MUD ANALYSIS

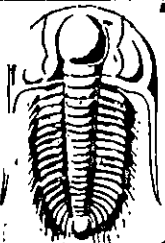
Chlorides 5750 ppm.
Resistivity .825 ohms @ 90 F
Viscosity 52
Mud Weight 9.0
Filtrate 8.2
Other _____

SAMPLER ANALYSIS

Resistivity .825 ohms @ 90 F
Chlorides 5750 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity .825 ohms @ 90 F
Chlorides 5750 ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity .825 ohms @ 90 F
Chlorides 5750 ppm.



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

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GAS VOLUME REPORT

Martin P. R. 13
OPERATOR

Isaac Parson 1-9
WELL NAME AND NO.

1
DST NO.

Mln.	Ins. of Water <u>PSIG</u>	Orifice Size	MCF/D	Mln.	Ins. of Water <u>PSIG</u>	Orifice Size	MCF/D
15	5	3/8	44.2	20	8	1/2	101
20	6	3/8	48.8	40	9		108
25	6	3/8	48.8	60	10		116
				80	10		116
				100	10		116
				120	10		116

Remarks: 675 in 15 min Gas w/ V burn

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL Test Ticket CONFIDENTIAL No. 7188

Well Name & No. Isaac Parson 1-9 Test No. 7 Date 7-12-94
 Company Marlin PRLg Zone Tested Morrow
 Address 250 N Water #300 Wichita 67202 Elevation 2837 KB
 Co. Rep./Geo. Paul Goddard Cont. Marlin 22 Est. Ft. of Pay 17
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State KS
 No. of Copies _____ Distribution Sheet _____ Yes No Turnkey _____ Yes No _____ Evaluation _____

Interval Tested 5496-5653 Drill Pipe Size 4 1/2 NH
 Anchor Length 157 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 5491 ~~5496~~ Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 5653 ~~5658~~ Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 5820 Drill Collar — 2.25 Ft. Run 399 NH
 Mud Wt. 9.0 lb/gal. Viscosity 52 Filtrate 8.2
 Tool Open @ 3:40 AM Initial Blow spoons blow bottom in 3 min GTS in 15

Final Blow GTS as tool opened
Bottom packer failed

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>330</u>	<u>5323</u>	<u>NO</u>
Rec. <u>330</u> Feet Of <u>Drilg Mud</u>	% gas _____ % oil _____ % water <u>100</u> % mud _____	
Rec. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	
Rec. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	
Rec. <u>5323</u> Feet Of <u>100</u>	% gas _____ % oil _____ % water _____ % mud _____	
Rec. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	

BHT 130 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .825 @ 90 °F Chlorides 5750 ppm Recovery Chlorides 5750 ppm System

(A) Initial Hydrostatic Mud 2670 PSI Ak1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure 232 PSI @ (depth) 5199 w/Clock No. 21058(24HR)
 (C) First Final Flow Pressure 222 PSI Ak1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure 11661 PSI @ (depth) 5514 w/Clock No. 27175(24HR)
 (E) Second Initial Flow Pressure 151 PSI Ak1 Recorder No. 6730 Range 4200
 (F) Second Final Flow Pressure 131 PSI @ (depth) 5811 w/Clock No. 26199
 (G) Final Shut-In Pressure 11661 PSI Initial Opening 30 Test _____
 (H) Final Hydrostatic Mud 2579 PSI Initial Shut-In 90 Jars

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 120 Safety Joint
 Final Shut-In 240 Straddle
 Circ. Sub NC
 Sampler
 Extra Packer
 Other _____

Approved By Paul Goddard
 Our Representative Paul GARY Speer

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

CONFIDENTIAL

Well Name ISAAC-PARSON 1-9 Test No. 8 Date 7/13/94
 Company MURFIN DRILLING CO INC/CANYON ENERGY Zone _____
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837 (GL)
 Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay _____
 Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested 3434-3510 Drill Pipe Size 4.5" XH
 Anchor Length 76 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 3434 Drill Collar - 2.25 Ft. Run 453.55
 Bottom Packer Depth 3510 Mud Wt. 9.0 lb/Gal.
 Total Depth _____ Viscosity 52 Filtrate 8.2

Tool Open @ 2:45 A.M. Initial Blow PACKER FAILURE

Final Blow _____

Recovery - Total Feet 1110 Flush Tool? NO

Rec. 1110 Feet of DRILLING MUD 100% MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.825 @ 90 °F Chlorides 5750 ppm Recovery Chlorides 5750 ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure _____ PSI @ (depth) 3437 w / Clock No. 25828

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure _____ PSI @ (depth) 3522 w / Clock No. 25114

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4200

(F) Second Final Flow Pressure _____ PSI @ (depth) 3559 w / Clock No. 26190

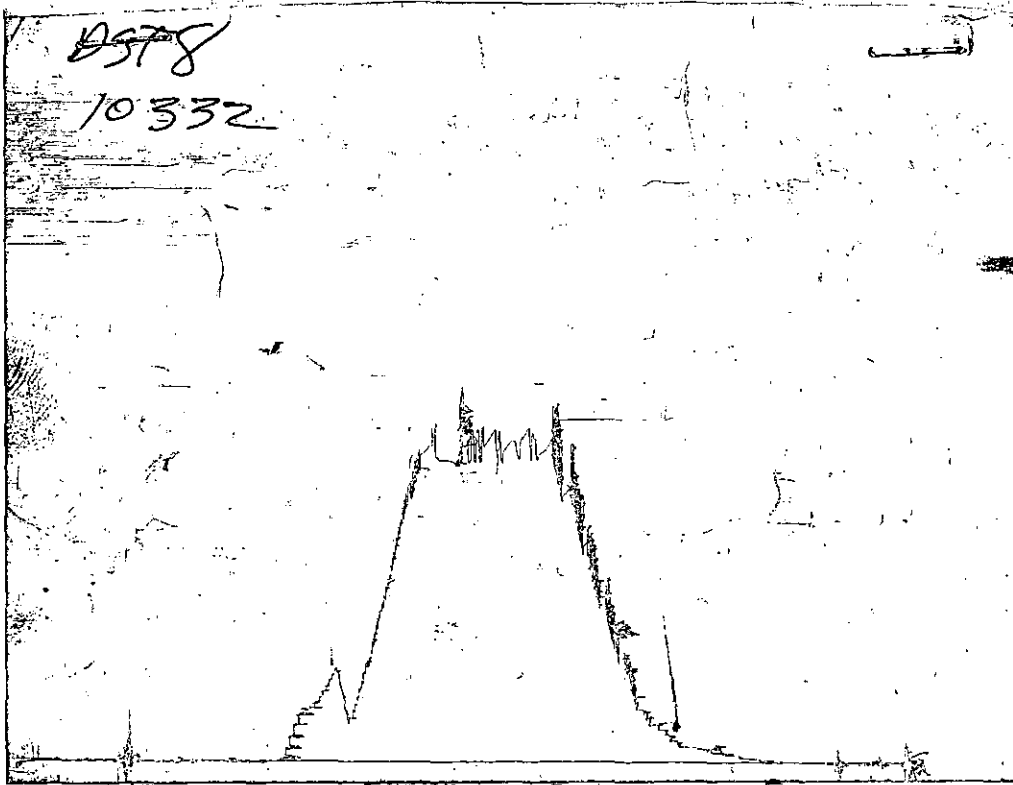
(G) Final Shut-in Pressure _____ PSI Initial Opening _____ Final Flow _____

(H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Final Shut-in _____

Our Representative GARY SPEER

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JUL 28 1994
 CONSERVATION DIVISION
 Wichita, Kansas

CHART PAGE



FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

Test Ticket

CONFIDENTIAL No. 7189

Well Name & No. Isaac-Parson 1-9 Test No. 8 Date 7-13-94
Company Murfin Drlg Zone Tested _____
Address 250 North Water 300 Wichita Elevation 2837 (GL)
Co. Rep./Geo. Paul Godowic cont. Murfin Drlg Co. #22 Est. Ft. of Pay _____
Location: Sec. 9 Twp. 32 Rge. 32 ✓ Co. Seward State Ks
No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3434 - 3510 Drill Pipe Size 4 1/2 x H
Anchor Length 76 Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth 3434 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 3510 Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth _____ Drill Collar — 2.25 Ft. Run 4.53.55
Mud Wt. 9.0 lb/gal. Viscosity 52 Filtrate 8.2
Tool Open @ 2:45 AM Initial Blow Packer failer

Final Blow _____

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>1110</u>	<u>Drlg Mud</u>	<u>NO</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 _____	
Rec. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 825 @ 90 °F Chlorides 5750 ppm Recovery Chlorides 5750 ppm System

- (A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 11686 Range 4350
- (B) First Initial Flow Pressure _____ PSI @ (depth) 3437 w/Clock No. 25828
- (C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10332 Range 4050
- (D) Initial Shut-In Pressure _____ PSI @ (depth) 3522 w/Clock No. 25114
- (E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4200
- (F) Second Final Flow Pressure _____ PSI @ (depth) 3559 w/Clock No. 26190
- (G) Final Shut-In Pressure _____ PSI Initial Opening _____ Test
- (H) Final Hydrostatic Mud _____ PSI Initial Shut-In _____ Jars _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Paul F. Godowic Final Flow _____ Safety Joint _____
Our Representative Gary Speer Final Shut-In _____ Straddle
Circ. Sub NC
Sampler
Extra Packer Shale
Other Hook wall

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STATE CORPORATION COMMISSION
JUL 28 1994
CONSERVATION DIVISION
Wichita, Kansas
TOTAL PRICE \$ _____

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

CONFIDENTIAL

Well Name ISAAC-PARSON 1-9 Test No. 9 Date 7/13/94
Company MURFIN DRILLING CO INC/CANYON ENERGY Zone WABAUNSEE
Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837 (GL)
Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay _____
Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested 3434-3519 Drill Pipe Size 4.5" XH
Anchor Length 82 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3434 Drill Collar - 2.25 Ft. Run 356.36
Bottom Packer Depth 3516 Mud Wt. 9.0 lb/Gal.
Total Depth HOOK 3519 Viscosity 52 Filtrate 8.2

Tool Open @ _____ Initial Blow HIT BRIDGE @ 2831

Final Blow MISS RUN

Recovery - Total Feet _____ Flush Tool? NO

Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.825 @ 90 °F Chlorides 5750 ppm Recovery Chlorides 5750 ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure _____ PSI @ (depth) 3437 w / Clock No. 25828

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure _____ PSI @ (depth) 3522 w / Clock No. 25114

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4200

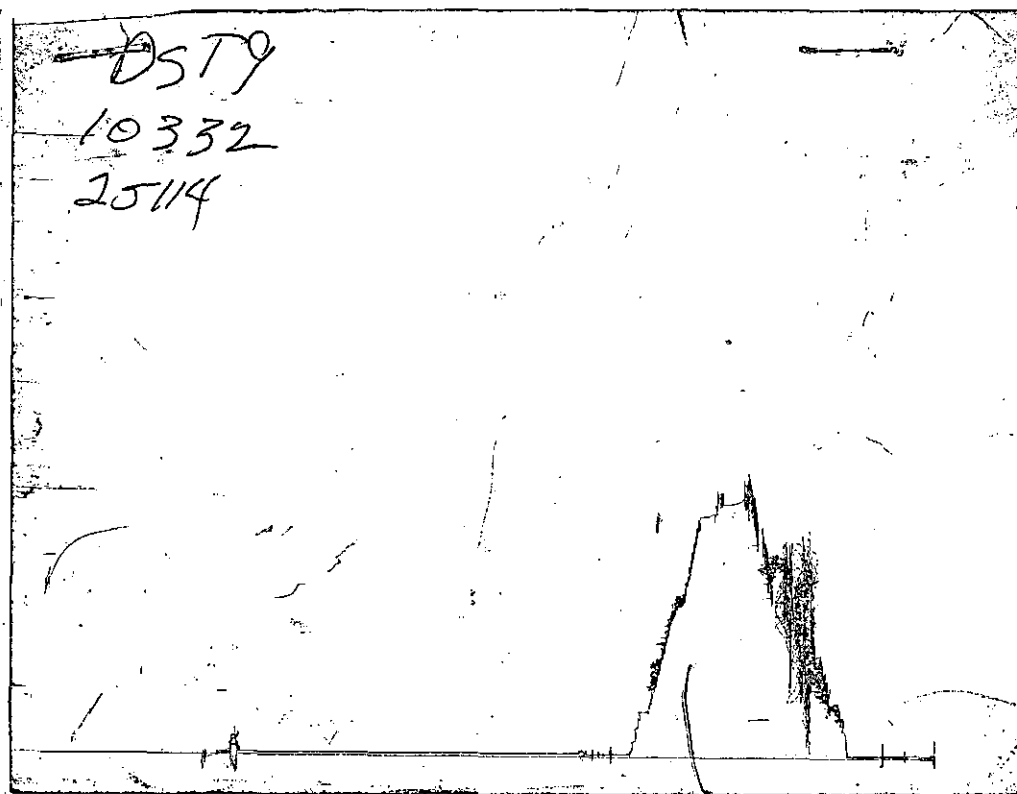
(F) Second Final Flow Pressure _____ PSI @ (depth) 3559 w / Clock No. 26190

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

(H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Final Shut-in _____

Our Representative GARY SPEER

CHART PAGE



This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

Test Ticket **CONFIDENTIAL** No. 7190

Well Name & No. Isaac-Parson-1-9 Test No. 9 Date 7-13-94
 Company Murfin Drlg Zone Tested Wagonsee
 Address 2500 Water Suite 300 Wichita Elevation 2837(GL)
 Co. Rep./Geo. Paul Godovic Cont. Murfin Drlg Co Est. Ft. of Pay _____
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State Ks
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3434 - 3519 Drill Pipe Size 4 1/2 XH
 Anchor Length 82 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3434 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3516 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth Hook 3519 Drill Collar — 2.25 Ft. Run 356.36
 Mud Wt. 9.0 lb/gal. Viscosity 52 Filtrate 8.2
 Tool Open @ _____ Initial Blow _____
Hit Bridge @ 2831 Tooth

Final Blow _____
Miss Run

Recovery — Total Feet ✓ Feet of Gas in Pipe _____ Flush Tool? NO

Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
Rec. _____ Feet Of _____				
Rec. _____ Feet Of _____				
Rec. _____ Feet Of _____				
Rec. _____ Feet Of _____				

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .815 @ 90 °F Chlorides 5750 ppm Recovery Chlorides 5750 ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure _____ PSI @ (depth) 3437 w/Clock No. 25828
 (C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-in Pressure _____ PSI @ (depth) 3522 w/Clock No. 25114
 (E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4200
 (F) Second Final Flow Pressure _____ PSI @ (depth) 3559 w/Clock No. 26190
 (G) Final Shut-in Pressure _____ PSI Initial Opening _____ Test ✓
 (H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Jars ✓

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Final Flow _____ Safety Joint _____
 Final Shut-in _____ Straddle ✓
 Circ. Sub ✓
 Sampler ✓
 Extra Packer ✓ shale
 Other Hook wall

Approved By Paul F. Godovic
 Our Representative Gary Speer

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

CONFIDENTIAL

Well Name ISAAC-PARSON 1-9 Test No. 10 Date 7/13/94
Company MURFIN DRILLING CO INC/CANYON ENERGY Zone WABAUNSEE
Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837 (GL)
Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay _____
Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested 3434-3518 Drill Pipe Size 4.5" XH
Anchor Length 82 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3434 Drill Collar - 2.25 Ft. Run 356.36
Bottom Packer Depth 3516 Mud Wt. 8.9 lb/Gal.
Total Depth HOOK 3519 Viscosity 48 Filtrate 10.6

Tool Open @ _____ Initial Blow HIT BRIDGE 2841

Final Blow MISS RUN

Recovery - Total Feet _____ Flush Tool? NO

Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 12000 ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure _____ PSI @ (depth) 3437 w / Clock No. 25828

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure _____ PSI @ (depth) 3522 w / Clock No. 25114

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4200

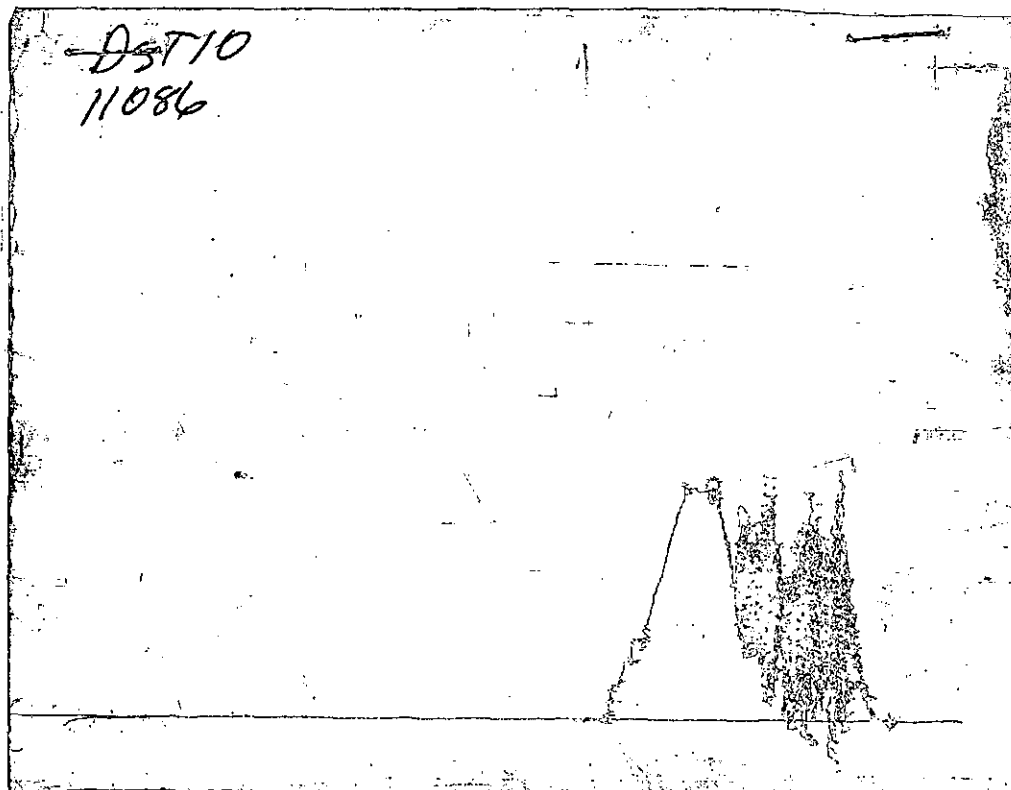
(F) Second Final Flow Pressure _____ PSI @ (depth) 3559 w / Clock No. 26190

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

(H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Final Shut-in _____

Our Representative GARY SPEER

CHART PAGE



FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

Test Ticket **CONFIDENTIAL** No. 7191

Well Name & No. Isaac Parson 1-9 Test No. 10 Date 7-13-94
 Company Murfin Drig Zone Tested Wabounsee
 Address 2500 Under Suite 300 Wichita Elevation 2837 GL
 Co. Rep./Geo. Paul Godowic cont. Murfin Drig Co Est. Ft. of Pay _____
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3434 - 3516 Drill Pipe Size 4 1/2 XH
 Anchor Length 82 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3434 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3516 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth Hook 3519 Drill Collar — 2.25 Ft. Run 356.36
 Mud Wt. 8.9 lb/gal. Viscosity 48 Filtrate 10.6
 Tool Open @ _____ Initial Blow _____
Hit Bridge @ 2841
 Final Blow _____
Miss Run

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
Rec. _____ Feet Of	RELEASED	%gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet Of		%gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet Of	AUG 1 8 1995	%gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet Of		%gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet Of	FROM CONFIDENTIAL	%gas _____ %oil _____ %water _____ %mud _____

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 12,000 ppm System
 (A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure _____ PSI @ (depth) 3437 w/Clock No. 25828
 (C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure _____ PSI @ (depth) 3522 w/Clock No. 25114
 (E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4200
 (F) Second Final Flow Pressure _____ PSI @ (depth) 3559 w/Clock No. 26190
 (G) Final Shut-In Pressure _____ PSI Initial Opening _____ Test
 (H) Final Hydrostatic Mud _____ PSI Initial Shut-In _____ Jars

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Paul F. Godowic Final Flow _____ Safety Joint _____
 Our Representative Gary Speer Final Shut-In _____ Straddle
 Circ. Sub NE
 Sampler
 Extra Packer shale
 Other Hookwall

JUL 27
CONFIDENTIAL

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

Drill-Stem Test Data

Well Name ISAAC-PARSON 1-9 Test No. 11 Date 7/14/94
 Company MURFIN DRILLING CO INC/CANYON ENERGY Zone WABAUNSEE
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2837 (GL)
 Co. Rep./Geo. PAUL GODOWIC Cont. MURFIN DRLG RIG #22 Est. Ft. of Pay _____
 Location: Sec. 9 Twp. 32S Rge. 32W Co. SEWARD State KS

Interval Tested 3434-3516 Drill Pipe Size 4.5" XH
 Anchor Length 82 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 3434 Drill Collar - 2.25 Ft. Run 356.36
 Bottom Packer Depth 3516 Mud Wt. 9.1 lb/Gal.
 Total Depth HOOK 3519 Viscosity 56 Filtrate 10.6

Tool Open @ 8:18 Initial Blow OPEN BOTTOM OF BUCKET DECREASE TO 3"
HIT BRIDGE @ 3250

Final Blow HOOK HELD BRIEFLY THEN FAILED

Recovery - Total Feet 190 Flush Tool? NO

Rec. 190 Feet of SLIGHTLY GAS CUT MUD 2% GAS/98% MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 108 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.4 @ 90 °F Chlorides 12000 ppm Recovery Chlorides 12000 ppm System

(A) Initial Hydrostatic Mud 1695.0 PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure 612.0 PSI @ (depth) 3437 w / Clock No. 25828

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure _____ PSI @ (depth) 3522 w / Clock No. 25114

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4200

(F) Second Final Flow Pressure _____ PSI @ (depth) 3559 w / Clock No. 26190

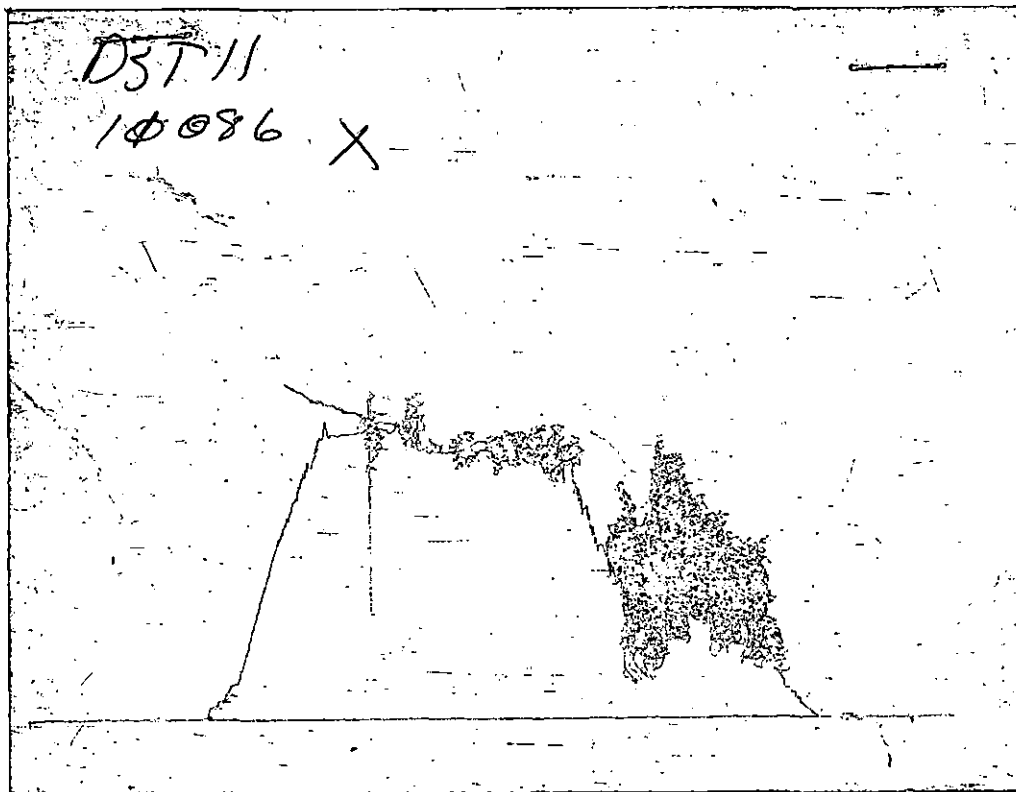
(G) Final Shut-in Pressure _____ PSI Initial Opening _____ Final Flow _____

(H) Final Hydrostatic Mud 1673.0 PSI Initial Shut-in _____ Final Shut-in _____

Our Representative GARY SPEER

RECEIVED
 STATE REGULATION COMMISSION
 JUL 28 1994
 CONSERVATION DIVISION
 Wichita, Kansas

CHART PAGE



FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

Test Ticket

CONFIDENTIAL No. 7192

Well Name & No. Isaac-Parson 1-9 Test No. 11 Date 7-14-94
 Company Murfin Drlg Zone Tested Wabaunsee
 Address 2501 Water Suite 300 Wichita Elevation 2837 GL
 Co. Rep./Geo. Paul Gedowic Cont. Murfin Drlg Co. 25 Est. Ft. of Pay _____
 Location: Sec. 9 Twp. 32 Rge. 32 Co. Seward State Ks
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3434-3516 Drill Pipe Size 4 1/2 x H
 Anchor Length 82 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3434 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3516 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth Hook 3519 Drill Collar — 2.25 Ft. Run 356.36
 Mud Wt. 9.1 lb/gal. Viscosity 56 Filtrate 10.6
 Tool Open @ 8:18 AM Initial Blow @ open Bottom of bucket decrease to 3"
Hit bridge @ 3250
 Final Blow Hook held briefly then failed

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>190</u>	<u>SGCM</u>	<u>NO</u>
Rec. _____ Feet Of _____	<u>2 % gas</u>	<u>98 % mud</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 108 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .4 @ 90 °F Chlorides 12000 ppm Recovery Chlorides 12,000 ppm System
 (A) Initial Hydrostatic Mud 1695 PSI AK1 Recorder No. 11086 Range 4350
 (B) First Initial Flow Pressure 612 PSI @ (depth) 3437 w/Clock No. 25828
 (C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure _____ PSI @ (depth) 3522 w/Clock No. 25114
 (E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4200
 (F) Second Final Flow Pressure _____ PSI @ (depth) 3559 w/Clock No. 26190
 (G) Final Shut-In Pressure _____ PSI Initial Opening _____ Test
 (H) Final Hydrostatic Mud 1673 PSI Initial Shut-In _____ Jars

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow STATE CORRELATION Safety Joint _____
 Final Shut-In _____ MISSION Straddle
 III 28 1994 Circ. Sub
 CONSERVATION DIVISION Sampler
 Wichita, Kansas Extra Packer shale
 Other Hookwall
 TOTAL PRICE \$ _____

Approved By Paul F. Gedowic
 Our Representative Gary Speer

3-2627, Russell, KS
93-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

CONFIDENTIAL 6426

54	Sec. 9	Twp. 32S	Range 32W	Called Out 1:00 PM	On Location 5:00 PM	Job Start 9:15 PM	Finish 11:00 PM
IC-Person		Well No. 1-9	Location Plains 13W 1N NW S/S		County Seward	State KS	
or MurFin Drilling Co Rig #22				Owner Same			
or Job Cmt 8 3/4 Surface				To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/4	T.D. 1695			Charge To MurFin Drilling Co., Inc			
Csg. 8 3/4 24#	Depth 1711			Street 250 N. Water Suite 300			
Tbg. Size	Depth			City Wichita State Mo. 67202			
Drill Pipe	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Tool	Depth			Purchase Order No.			
Cement Left in Csg. 45	Shoe Joint 45			X <i>[Signature]</i>			
Press Max. 700	Minimum 100			CEMENT			
Meas Line	Displace 106.2			Amount 450 SKS 65/35 1690 gel 3% cecel 1/4" Flo-Seal			
Perf.				Ordered 200 SKS Class A + 3% cecel			

RELEASED EQUIPMENT

No. 234	Cementor	AUG 18 1995	Max Ball
No. 259	Helper	FROM CONFIDENTIAL	
Bulktrk 199	Driver		John Kelley
Bulktrk 199	Driver		Bill White

DEPTH of Job 1711'		
Reference: 300' Pump Charge		430.00
23' Mileage (Liberal)		51.75
1 Ea 8 3/4 Rubber Plug		83.00
Extra Footage 1411' .39		550.29
	Total	1115.04

Remarks: Cmt 8 3/4 Surface Csg with 450 SKS 65/35 1690 gel 3% cecel 1/4" Flo-Seal + 200 SKS Class A + 3% cecel 2" Drop Plug Displace 106.2 Land Plug Float Held Cement Did Circulate

Consisting of	Used 165 CLASS A	
Common	458	6.95 3137.3
Poz. Mix	157	3.00 471.01
Gel.	23	9.00 207.0
Chloride	18	25.00 450.0
Quickset		
Flo Seal - 112#		1.10 123.2
Handling	650	1.00 650.0
Mileage	38	988.0
Hugoton		
Total	\$ 7986.54	
Disc -	1597.31	
Floating Equipment	\$ 6389.23	6026.5
1-8 3/4 Saw Tooth Guide Shoe		224.1
1-8 3/4 AFU Insert		258.0
3-8 3/4 Centralizers		183.0
1-8 3/4 Cement Basket		180.0
		\$ 845.0

NO WARRANTY ON FLOAT EQUIPMENT

Phone 913-483-2627, Russell, KS

Phone 913-625-5516, Hays, KS

Phone 31

Well

Phone 913-793-5861, Great Bend, KS

Phone 913-672-3471, Oakley, KS

Phone 91

ALLIED CEMENTING CO., IN

Home Office P. O. Box 31

Russell, Kansas 67665

File
CONFIDENTIAL

NEW

ORIGINAL

Date	7-14-94	Sec.	9	Twp.	32 ^s	Range	32 ^w	Called Out		On Location	10:30 ^{PM}	Job Start		Finish	4:00 ^{PM}
Lease	+ Saac Parson	Well No.	1-9	Location	160 + 83 Jct 4E-1N-26			County	Sevier	State	Ken				

Contractor	MurFin Drly Co. #22
Type Job	PTA
Hole Size	7 7/8
T.D.	5820'
Csg.	Depth
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner	Same
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Charge To	MurFin Drly Co.
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	<i>Matthew Finney</i>
CEMENT	
Amount Ordered	225 SKS 6 1/4" 702, 6% Gel
Consisting of	
Common	RELEASED
Poz. Mix	
Gel.	
Chloride	AUG 1 8 1995
Quickset	
FROM CONFIDENTIAL	
Sales Tax	
Handling	1.00 per SK
Mileage	4.00 per SK/mile
Sub Total	
Total	
Floating Equipment	

EQUIPMENT

No.	Cementer	Walt
Pumptrk 191	Helper	
No.	Cementer	Jason
Pumptrk	Helper	
	Driver	
Bulktrk 212	Driver	

DEPTH of Job

Reference:	Pumptrucks	
	8 5/8 D.H. Plus	
	225 per mile	
	Sub Total	
	Tax	
	Total	

Remarks:

100	SKS @	2780'
50	SKS @	1650'
40	SKS @	500'
10	SKS @	40'
15 SKS in P.H., 10 SKS in M.H.		

KCC
JUL 27
CONFIDENTIAL