

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

ORIGINAL

API NO. 15- 151-22,060 00-00

County Pratt

C SW SW sec. 5 Twp. 26 Rge. 13 X E W

660  Feet from S/N (circle one) Line of Section

660  Feet from E/W (circle one) Line of Section

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

Lease Name Frisbie  Well # 7

Field Name Frisbie

Producing Formation Lansing-Kansas City

Elevation: Ground 1950 KB 1958

Total Depth 4360 PBDT 4334

Amount of Surface Pipe Set and Cemented at 867 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 cnt.

Drilling Fluid Management Plan AT-2  
(Data must be collected from the Reserve Pit)

Chloride content 8500 ppm Fluid volume 351 bbls

Dewatering method used water hauled to SWD

Location of fluid disposal if hauled offsite:

Operator Name Hallwood Petroleum Inc.

Lease Name Frisbie #3 License No. 3613

SW Quarter Sec. 5 Twp. 26 S Rng. 13 E/W

County Pratt Docket No. E-16,624

Operator: License # 03613

Name: Hallwood Petroleum, Inc.

Address 4582 S. Ulster St. Parkway#1700  
P.O. Box 378111

City/State/Zip Denver, CO 80237

Purchaser: Koch Oil Company

Operator Contact Person: George Hutton

Phone (316) 792-2756

Contractor: Name: Trans Pac Drilling

License: 5841

Wellsite Geologist: Scott Alberg

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIGW  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 \_\_\_\_\_ PBDT

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

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

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

10/23/91 10/30/91 11/22/91

Spud Date Date Reached TD Completion Date

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 Mary Ball

Title Sr. Eng. Tech. Date 3/26/92

Subscribed and sworn to before me this 26th day of March, 19 92.

Notary Public Judy E. Atkins

Date Commission Expires 4/19/93

Rec'd 3-26-92

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Geologist Report Received

KCC  SWD/Rep  NGPA

KGS  Plug  Other

(Specify)

Operator Name Hallwood Petroleum, Inc. Lease Name Frisbie Well # 7  
 Sec. 5 Twp. 26 Rge. 13  East County Pratt  
 West

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

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3580'	-1622'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	3598'	-1640'
List All E.Logs Run:		Douglas Shale	3624'	-1666'
DIL		Brown Lime	3742'	-1784'
CDL/DSN		Lansing	3772'	-1814'
CAL		B/KC	4076'	-2118'
MICRO		Miss.	4188'	-2230'
		Viola	4283'	-2325'

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#	867	Halcolight	200	
					60/40 poz	200	2%gel 3% cc
Production	7 7/8"	5 1/2"	15.5#	4359	common	225	see attached

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	4334	common	1	
<input checked="" 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
2	3998-4014'	6000 qals	
2	3963-72'	15%	
2	3952-55'	NE acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	4333'	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
12/3/91	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	8.6		0		74			

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 3952-4014'

# ORIGINAL

HALLWOOD PETROLEUM, INC.

Frisbie #7

Sec. 5-T26S-R13W  
API #151-22,060

Production:

225 sx 5% EA2 10% salt 3/4% Halid 322 1/4# Flocele/sk 5#  
gilsonite last 125 sx.

# TRILOBITE TESTING COMPANY

P.O. BOX 362 • Hays, Kansas 67601

## ORIGINAL

### Drill-Stem Test Data

Well Name FRISBIE #7 Test No. 1 Date 10/28/91  
Company HALLWOOD PETROLEUM INC Zone Tested LKC-"J"  
Address 4582 S ULSTER ST PRKSWY DENVER CO Elevation 1966 K.B.  
Co. Rep./Geo. SCOTT ALBERG Cont. TRANS-PACIFIC #1 1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 5 Twp. 26S Rge. 13W Co. PRATT State KS

Interval Tested 3940-3970 Drill Pipe Size 4.5 XH  
Anchor Length 30 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 3935 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 3940  
Total Depth 3970

Mud Wt. 9.1 lb / gal. Viscosity 49 Filtrate 8.8

Tool Open @ 9:50 AM Initial Blow 2" BLOW BUILDING TO BOTTOM OF BUCKET IN 2 MINUTES

Final Blow 5" BLOW TO BOTTOM OF BUCKET IN 5 MINUTES

Recovery - Total Feet 70 Flush Tool? NO

Rec. 1170 Feet of GAS IN PIPE

Rec. 70 Feet of SLTLY WATERY OIL CUT MUD-20%OIL/5%WTR/75%MUD

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

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

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

(A) Initial Hydrostatic Mud 2055.6 PSI Ak1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 35.6 PSI @ (depth) 3945 w/Clock No. 17639

(C) First Final Flow Pressure 35.6 PSI Ak1 Recorder No. 24174 Range 3350

(D) Initial Shut-in Pressure 874.5 PSI @ (depth) 3969 w/Clock No. 17640

(E) Second Initial Flow Pressure 44.9 PSI Ak1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 53.6 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 944.7 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2020.4 PSI Initial Shut-in 45 Final Shut-in 120

Our Representative PAUL SIMPSON TOTAL PRICE \$ 600

CALCULATED RECOVERY ANALYSIS

DRILL PIPE

DST # 1

TICKET # 4656

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	20	0	0	20	4	5	1	75	15
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	20	0	0	20	4	5	1	75	15

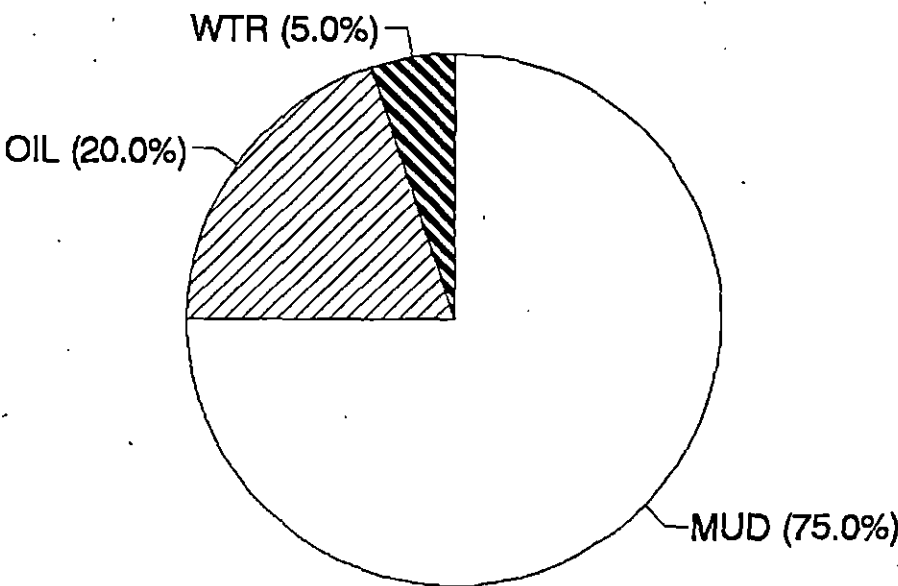
HRS OPEN BBL/DAY

BBL OIL= 0.05688 \* 1.25 1.0921

BBL WATER 0.01422 \* 0.27302

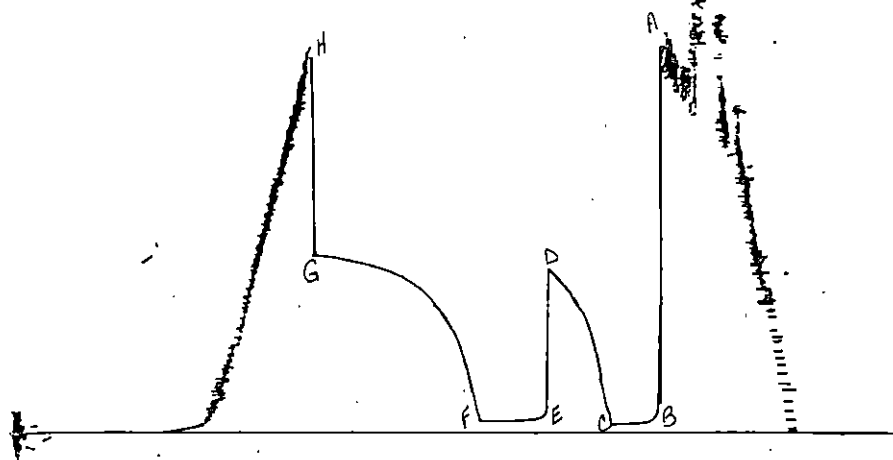
BBL MUD= 0.2133

BBL GAS 0



# ORIGINAL

13337



POINT

This is an actual photograph of recorder chart  
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2049	2055.6
(B) FIRST INITIAL FLOW PRESSURE	33	35.6
(C) FIRST FINAL FLOW PRESSURE	33	35.6
(D) INITIAL CLOSED-IN PRESSURE	870	874.5
(E) SECOND INITIAL FLOW PRESSURE	41	44.9
(F) SECOND FINAL FLOW PRESSURE	49	53.6
(G) FINAL CLOSED-IN PRESSURE	937	944.7
(H) FINAL HYDROSTATIC MUD	2015	2020.4

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 4656

Well Name & No. Frisbie #1 Test No. 1 Date 10-28-91  
Company Hellwood Petroleum Inc Zone Tested LKc J  
Address \_\_\_\_\_ Elevation 1966 KB  
Co. Rep./Geo. Scott Alley Cont. Trans-Pac #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 5 Twp. 26s Rge. 13w Co. Frank State KS  
No. of Copies 5 Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3940-3970 Drill Pipe Size 4 1/2 XH  
Anchor Length 30 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
Top Packer Depth 3935 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
Bottom Packer Depth 3940 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
Total Depth 3970 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
Mud Wt. \_\_\_\_\_ lb/gal. Viscosity \_\_\_\_\_ Filtrate \_\_\_\_\_  
Tool Open @ 9:50 AM Initial Blow 2" blow to bottom of bucket in 2 minutes  
Final Blow 5" blow to bottom of bucket in 5 minutes

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?					
<u>70</u>	<u>1170</u>		Rec. <u>70</u> Feet Of <u>SI writing OCM</u>	% gas <u>20</u>	% oil <u>5</u>	% water <u>75</u>	% 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 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System  
(A) Initial Hydrostatic Mud 2049 PSI Ak1 Recorder No. 13337 Range 3975  
(B) First Initial Flow Pressure 33 PSI @ (depth) 3945 w/Clock No. 17639  
(C) First Final Flow Pressure 33 PSI AK1 Recorder No. 24174 Range 3350  
(D) Initial Shut-In Pressure 870 PSI @ (depth) 3969 w/Clock No. 17640  
(E) Second Initial Flow Pressure 41 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
(F) Second Final Flow Pressure 49 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
(G) Final Shut-In Pressure 937 PSI Initial Opening 30 Test X  
(H) Final Hydrostatic Mud 2015 PSI Initial Shut-In 45 Jars \_\_\_\_\_

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

Final Flow 45 Safety Joint X  
Final Shut-In 120 Straddle \_\_\_\_\_  
Circ. Sub \_\_\_\_\_  
Sampler \_\_\_\_\_  
Extra Packer \_\_\_\_\_  
Other \_\_\_\_\_  
TOTAL PRICE \$ \_\_\_\_\_

Approved By [Signature]  
Our Representative Paul Simpson

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

## Drill-Stem Test Data

Well Name FRISBIE #7 Test No. 2 Date 10/29/91  
Company HALLWOOD PETROLEUM INC Zone Tested LKC-  
Address 4582 S ULSTER ST PRKSWY DENVER CO Elevation 1966 K.B.  
Co. Rep./Geo. SCOTT ALBERG Cont. TRANS-PACIFIC #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 5 Twp. 26S Rge. 13W Co. PRATT State KS

Interval Tested 3976-4010  
Anchor Length 34  
Top Packer Depth 3971  
Bottom Packer Depth 3976  
Total Depth 4010

Drill Pipe Size 4.5 XH  
Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Drill Collar - 2.25 Ft. Run \_\_\_\_\_

Mud Wt. 9.1 lb / gal. Viscosity 49 Filtrate 8.8

Tool Open @ 1:15 AM Initial Blow 1" BLOW BUILDING TO FAIR 8" BLOW

Final Blow 2" BLOW BUILDING TO BOTTOM OF BUCKET IN 33  
MINUTES

Recovery - Total Feet 80 Flush Tool? NO

Rec. 360 Feet of GAS IN PIPE

Rec. 80 Feet of OIL SPECKED MUD-3%OIL/97%MUD

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

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

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

BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

(A) Initial Hydrostatic Mud 1980.5 PSI Ak1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 43.9 PSI @ (depth) 3981 w/Clock No. 30401

(C) First Final Flow Pressure 43.9 PSI AK1 Recorder No. 24174 Range 3350

(D) Initial Shut-in Pressure 993.2 PSI @ (depth) 4009 w/Clock No. 17639

(E) Second Initial Flow Pressure 55.7 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 63.7 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

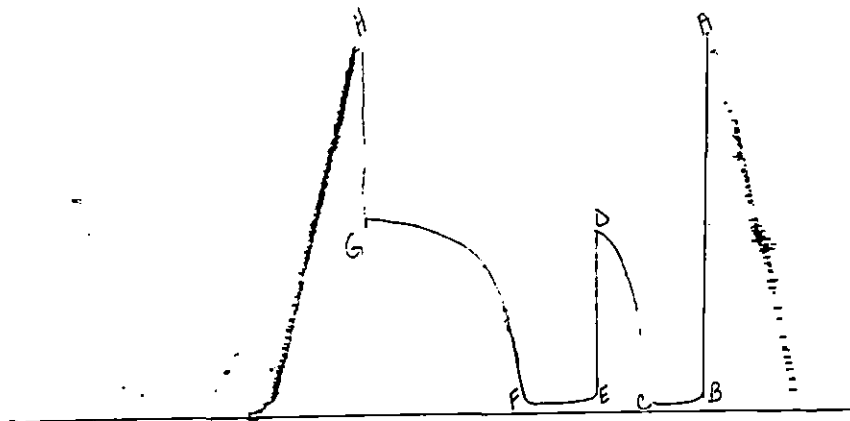
(G) Final Shut-in Pressure 1041.2 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1889.3 PSI Initial Shut-in 45 Final Shut-in 120

Our Representative PAUL SIMPSON TOTAL PRICE \$ 600



#2  
13337



POINT This is an actual photograph of recorder chart  
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1973	1980.5
(B) FIRST INITIAL FLOW PRESSURE	41	43.9
(C) FIRST FINAL FLOW PRESSURE	41	43.9
(D) INITIAL CLOSED-IN PRESSURE	987	993.2
(E) SECOND INITIAL FLOW PRESSURE	49	55.7
(F) SECOND FINAL FLOW PRESSURE	58	63.7
(G) FINAL CLOSED-IN PRESSURE	1037	1041.2
(H) FINAL HYDROSTATIC MUD	1890	1889.3

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

ORIGINAL

No 4657

Well Name & No. Frisbie #7 Test No. 2 Date \_\_\_\_\_  
 Company Hullman Petroleum Inc Zone Tested LCC  
 Address Box 378 111 Denver (28023) Elevation 19661(B)  
 Co. Rep./Geo. Scott Alberg Cont. Travis Peck Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 5 Twp. 26s Rge. 13w Co. Scott State KS  
 No. of Copies 5 Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3976-4010 Drill Pipe Size 4 1/2 XH  
 Anchor Length 34 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3971 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3976 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 4010 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.1 lb/gal. Viscosity 49 Filtrate 8.8  
 Tool Open @ 1:15 AM Initial Blow 1" blow building to surface 8" blow

Final Blow 2" blow building to bottom of bucket in 33 minutes

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>80</u> Feet Of <u>0.5 sacks mud</u>	<u>360</u>	
Rec. _____ Feet Of _____	%gas <u>3</u> %oil _____ %water <u>97</u> %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

(A) Initial Hydrostatic Mud 1973 PSI AK1 Recorder No. 13337 Range 3975  
 (B) First Initial Flow Pressure 41 PSI @ (depth) 3981 w/Clock No. 30401  
 (C) First Final Flow Pressure 41 PSI AK1 Recorder No. 24174 Range 3350  
 (D) Initial Shut-In Pressure 957 PSI @ (depth) 4009 w/Clock No. 17639  
 (E) Second Initial Flow Pressure 49 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 58 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1037 PSI Initial Opening 30 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 1890 PSI Initial Shut-In 45 Jars \_\_\_\_\_

Final Flow 45 Safety Joint \_\_\_\_\_  
 Final Shut-In 120 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_

Approved By [Signature]  
 Our Representative \_\_\_\_\_

TOTAL PRICE \$ \_\_\_\_\_

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# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name FRISBIE #7 Test No. 3 Date 10/30/91  
Company HALLWOOD PETROLEUM INC Zone Tested MISSISSIPPI  
Address 4582 S ULSTER ST PRKSWY DENVER CO Elevation 1966 K.B.  
Co. Rep./Geo. SCOTT ALBERG Cont. TRANS-PACIFIC #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 5 Twp. 26S Rge. 13W Co. PRATT State KS

Interval Tested 4144-4210 Drill Pipe Size 4.5 XH  
Anchor Length 66 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4139 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4144  
Total Depth 4210

Mud Wt. 9.1 lb / gal. Viscosity 57 Filtrate 11.2

Tool Open @ 1:18 AM Initial Blow OFF BOTTOM IN 30 SECONDS

Final Blow OFF BOTTOM IN 15 SECONDS-GAS TO SURFACE IN 12 MINUTES  
INTO SECONDS FLOW

Recovery - Total Feet 105 Flush Tool? NO

Rec. 4015 Feet of GAS IN PIPE

Rec. 105 Feet of MUD

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

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

Rec. 119 Feet of \_\_\_\_\_

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

RW 0.69 @ 51 °F Chlorides 12000 ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 2057.8 PSI Ak1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 59.4 PSI @ (depth) 4149 w/Clock No. 27573

(C) First Final Flow Pressure 60.3 PSI AK1 Recorder No. 2023 Range 4000

(D) Initial Shut-In Pressure 1264.8 PSI @ (depth) 4173 w/Clock No. 8376

(E) Second Initial Flow Pressure 65.4 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 67.6 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

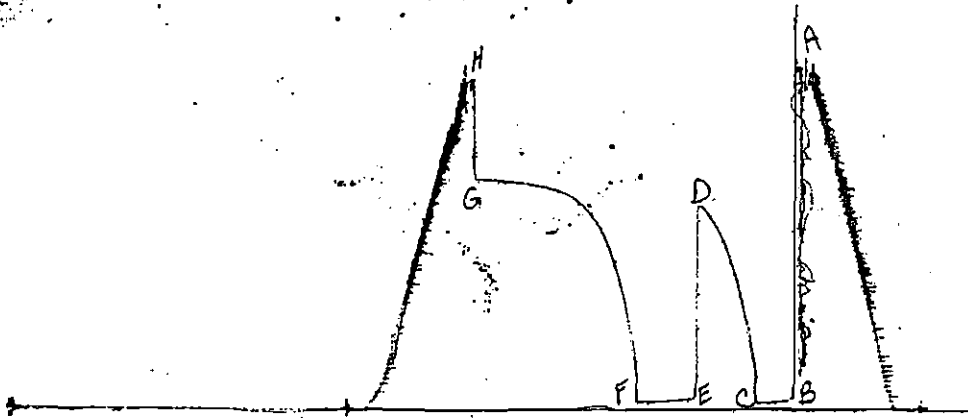
(G) Final Shut-In Pressure 1415.6 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2010.3 PSI Initial Shut-in 45 Final Shut-in 120

Our Representative MARK HERSKOWITZ TOTAL PRICE \$ 600

ORIGINAL

DSF 3



POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2034	2057.8
(B) FIRST INITIAL FLOW PRESSURE	44	59.4
(C) FIRST FINAL FLOW PRESSURE	44	60.3
(D) INITIAL CLOSED-IN PRESSURE	1254	1264.8
(E) SECOND INITIAL FLOW PRESSURE	55	65.4
(F) SECOND FINAL FLOW PRESSURE	55	67.6
(G) FINAL CLOSED-IN PRESSURE	1411	1415.6
(H) FINAL HYDROSTATIC MUD	2008	2010.3



# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

# ORIGINAL

## Test Ticket

No. 3998

Well Name & No. FRISBIE 7 Test No. 3 Date 10-30-91  
 Company HALLWOOD PET INC Zone Tested MISS  
 Address ULSTER STREET PARKWAY #1700 DENVER Elevation \_\_\_\_\_  
 Co. Rep./Geo. SCOTT AIBERG Cont. TRANSAC RIG Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 5 Twp. 26 Rge. 13W Co. BRATT State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4144-4210 Drill Pipe Size W 1/2 X H  
 Anchor Length 66 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 4139 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4144 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 4210 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 91 LCAA TR lb/gal. Viscosity 57 Filtrate 11.2  
 Tool Open @ 1:18 AM Initial Blow OFF BOTTOM 30 SEC

Final Blow OFF BOTTOM IN 15 SEC GAS TO SUR 12 MIN  
INTO SECOND FLAW

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>105</u>	<u>4015</u>	<u>—</u>
Rec. _____ Feet Of _____	<u>MUD</u>	% gas _____ % oil _____ % water <u>100</u> % 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 119 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 169 @ 51 °F Chlorides 12000 ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 2034 PSI Ak1 Recorder No. 13308 Range 4700  
 (B) First Initial Flow Pressure 44 PSI @ (depth) 4149 w/Clock No. 27573  
 (C) First Final Flow Pressure 44 PSI AK1 Recorder No. 2023 Range 4000  
 (D) Initial Shut-In Pressure 1254 PSI @ (depth) 4173 w/Clock No. 8376  
 (E) Second Initial Flow Pressure 55 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 55 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1411 PSI Initial Opening 30 Test 55000  
 (H) Final Hydrostatic Mud 2008 PSI Initial Shut-In 45 Jars \_\_\_\_\_

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

Final Flow 45 Safety Joint   
 Final Shut-In 120 Straddle \_\_\_\_\_  
 Circ. Sub  NC  
 Sampler \_\_\_\_\_

Approved By [Signature]  
 Our Representative [Signature]

Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ 110.00

ORIGINAL

HALLIBURTON SERVICES

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
173705	10/24/1991

A Halliburton Company

RECEIVED

OCT 30 1991

KANSAS DIST

WELL LEASE NO./PLANT NAME ERISBIE 7		WELL/PLANT LOCATION PRATT		STATE KS	WELL/PLANT OWNER SAME
SERVICE LOCATION PRATT		CONTRACTOR TRANS PAC DRLG	JOB PURPOSE CEMENT SURFACE CASING		TICKET DATE 10/24/1991
ACCT. NO. 355880	CUSTOMER AGENT GEORGE HUTTON	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 24523

HALLWOOD PETROLEUM, INC.  
915 PATTON ROAD  
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M.	UNIT PRICE	AMOUNT
000-117	MILEAGE	8	MI	2.60	20.80
001-016	CEMENTING CASING	868	FT	680.00	680.00
030-016	CEMENTING PLUG SW ALUM TOP	8.625	IN	100.00	100.00
40	CENTRALIZER 8-5/8" MODEL S-4	4	EA	62.00	248.00
807.93059					
504-316	HALLIBURTON LIGHT W/STANDARD	200	SK	5.64	1,128.00
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	26.25	131.25
507-210	FLOCELE	100	LB	1.30	130.00
504-308	STANDARD CEMENT	120	SK	5.35	642.00
506-105	POZMIX A	80	SK	3.29	263.20
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	26.25	131.25
500-207	BULK SERVICE CHARGE	4.27	CFT	1.15	491.05
500-306	MILEAGE CMTG MAT DEL OR RETURN	147.67	TMI	.80	118.14

INVOICE SUBTOTAL 4,083.69

DISCOUNT-(BID) INVOICE BID AMOUNT

PROPERTY NAME

Erishie # 7

11241.000

\*-KANSAS STATE SALES TAX  
\*-PRATT COUNTY SALES TAX

816.73-  
3,266.96  
115.02  
27.07

RECEIVED STATE CORPORATION COMMISSION

MAR 30 1992

ACCOUNT  
Signature  
DATE  
2nd APPR  
& DATE

800.040

INVOICE TOTAL CONSERVATION DIVISION

PAY THIS AMOUNT == =====> \$3,409.05

AFFIX JOB TKT

TERMS

INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTOR'S FEES AND

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME # 7 FRISBEE		COUNTY PRATT	STATE KS	CITY / OFFSHORE LOCATION	DATE 10-24-91
CHARGE TO HALLWOOD PETROLEUM, INC		OWNER SAME		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS 915 PITON RD.		CONTRACTOR TRANS-PAC DRIG		LOCATION 1 PRATT, KS 25555	
CITY, STATE, ZIP GRANT BOND, KS. 67530		SHIPPED VIA 50120		LOCATION 2	
WELL TYPE 01		WELL CATEGORY 01		WELL PERMIT NO. K55122060000	
TYPE AND PURPOSE OF JOB 010 - 8 5/8" SURFACE		DELIVERED TO LOCATION		LOCATION 3	
		ORDER NO. B-467374		REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state whose services are performed or materials are furnished.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE	8	MZ			2.60	20.80
001-016		1		PUMP CHARGE	868	FT			680 <sup>00</sup>	680.00
030-016		1		TOP RUNG	1	EA	8 5/8"	2N	100 <sup>00</sup>	100.00
40	807-93059	1		CENTRALIZERS	4	EA	8 5/8"	2N	62 <sup>00</sup>	248.00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-467374** 3034.89

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_  
 WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_  
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_  
 X George Hutton  
 CUSTOMER OR HIS AGENT (PLEASE PRINT)  
 X George Hutton  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

Jimmy Price  
 HALLIBURTON OPERATOR

HALLIBURTON APPROVAL \_\_\_\_\_

SUB TOTAL **4083.69**  
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.





BULK MATERIALS DELIVERY

AND

ORIGINAL TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 173705

A Division of Halliburton Company  
DUNCAN, OKLAHOMA 73530

DATE 10/ 23/ 91	CUSTOMER ORDER NO.	WELL NO. AND FARM 7 Frisbie	COUNTY Pratt	STATE Ks.
CHARGE TO Hallwood Petroleum Inc.		OWNER Same	CONTRACTOR Transpac Drlg.	No. <b>B 467374</b>
MAILING ADDRESS		DELIVERED FROM Pratt, Ks.	LOCATION CODE 25555	PREPARED BY Jim Arend
CITY & STATE		DELIVERED TO Well Site	TRUCK NO. 4142-6606	RECEIVED BY <i>Reno</i> 0600

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
Front				Halliburton Light Cement	200	Sks				
504-316				Halliburton Light Cement	200	Sks			5.64	1,128.00
509-406				Calcium Chloride 3%	5	Sks			26.25	131.25
507-210				Flocele	100	#			1.30	130.00
Rear				40/60 Pozmix Cement	200	Sks				
504-308				Standard Cement	120	Sks			5.35	642.00
506-105				Pozmix A	80	Sks			3.29	263.20
506-121				Halliburton Gel @2% Allowed	3	Sks				N/C
509-406				Calcium Chloride	5	Sks			26.25	131.25
				Returned Mileage Charge						
				TOTAL WEIGHT			LOADED MILES	TON MILES		
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET		
500-207				SERVICE CHARGE				CU. FEET 427	1.15	491.05
500-306				Mileage Charge	36,918		8	TON MILES 147.67	.80	118.14
				TOTAL WEIGHT			LOADED MILES	TON MILES		
No. <b>B 467374</b>							CARRY FORWARD TO INVOICE	SUB-TOTAL		2,998.69

DISTRICT Pratt, KS

DATE 10-24-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: HALLWOOD Petroleum, Inc (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. # 7 LEASE FLEESBEE SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_

FIELD \_\_\_\_\_ COUNTY Pratt STATE KS OWNED BY \_\_\_\_\_

**THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT**

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL BPD, H <sub>2</sub> O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H <sub>2</sub> O BPD, GAS MCF							

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_  
CEMENT 8 5/8" SURFACE CASING w/ 200 SKS LATE CONTAINING  
3% CC & 1/2" FIBRE / SK FOLLOWED BY 200 SKS 40/60 PZ  
CONTAINING 2% TOTAL GEL & 3% CC

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As a condition of the sale of services, equipment, and materials, the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.
- That the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton, and that the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.
  - That the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton, and that the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.
  - That the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton, and that the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.
  - That the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton, and that the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.
  - That the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton, and that the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.
  - That the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton, and that the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.
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  - That the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton, and that the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.
  - That the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton, and that the customer or his agent warrants that the well is in proper condition to receive the products, supplies, materials, and services to be furnished by Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED Neena Butler CUSTOMER  
 DATE Oct 24, 1991

**JOB SUMMARY ORIGINAL**

HALLIBURTON DIVISION OK CITY  
 HALLIBURTON LOCATION PRATT, KS

BILLED ON TICKET NO. 173705

FIELD \_\_\_\_\_ SEC \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY PRATT STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD WATER \_\_\_\_\_ BPD GAS \_\_\_\_\_ MCFD \_\_\_\_\_

PRESENT PROD: OIL \_\_\_\_\_ BPD WATER \_\_\_\_\_ BPD GAS \_\_\_\_\_ MCFD \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 868'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>NEW</u>	<u>29#</u>	<u>8 5/8"</u>	<u>KB</u>	<u>867'</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-24</u>	DATE <u>10-24</u>	DATE <u>10-24</u>	DATE <u>10-24</u>
TIME <u>0500</u>	TIME <u>0600</u>	TIME <u>0920</u>	TIME <u>1100</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-4</u> <u>8 5/8"</u>	<u>4</u>	<u>HAWCO</u>
BOTTOM PLUG		
TOP PLUG <u>SW</u>	<u>1</u>	<u>"</u>
HEAD <u>PC</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER		

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>D PENLO</u> <u>36623</u>	<u>50120</u>	<u>PRATT, KS</u>
<u>M MANDREHAN</u> <u>C9017</u>	<u>80-PTAR</u>	<u>"</u>
<u>M FLEMING</u> <u>62909</u>	<u>4142-6000</u>	<u>"</u>
	<u>BULK</u>	<u>"</u>

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL.-API \_\_\_\_\_

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL.-API \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_

SURFACTANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Cement

DESCRIPTION OF JOB 8 5/8" SURFACE

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Sammy King COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>LETE</u>	<u>HAWCO</u>	<u>Bulk</u>	<u>3% CC, 1/2% FIBER/KE</u>	<u>1.54</u>	<u>13.6</u>
	<u>200</u>	<u>40/60 102</u>	<u>"</u>	<u>"</u>	<u>2% TOTAL GEL, 3% CC</u>	<u>1.27</u>	<u>14.31</u>

**PRESSURES IN PSI** \_\_\_\_\_ **SUMMARY** \_\_\_\_\_ **VOLUMES** \_\_\_\_\_

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL. 5 TYPE FRESH WATER

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL. 54

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL. 54.8 + 45.2 = 100

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 20 REASON By Request

REMARKS SEE JOB LOG

THANKS - KING

CUSTOMER HALLIBURTON  
 LEASE PRATT, KS  
 WELL NO. # 7  
 JOB TYPE 8 5/8" SURFACE  
 DATE 10-24-91

JOB LOG

ORIGINAL #7

LEASE FREZZEE

TICKET NO. 173705

CUSTOMER HALLWOOD PETROLEUM, INC.

PAGE NO. \_\_\_\_\_

FORM 2013 R-2

JOB TYPE 8 5/8" SURFACE

DATE 10-24-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500							Called out - Ready now
	0600							on loc - HOPE MADE - REG ON BOTTOM CALCULATIONS - SET UP
	0640							START OUT OF HOPE w/ DP
	0720							DP OUT OF HOPE - REG UP TO RUN CASING
	0745							START CASING IN HOPE
	0920							CASING IN HOPE - HOPE UP + BREAK CARE w/ REG PUMP
	0958	5.0	5		✓✓			250 Run FRESH WATER AHEAD
	1000	6.0	100		✓✓			400 MIX CEMENT
	1017							FRESH MIXING - RELEASE PLUG
	1019	5.0	54		✓✓			300 DISPLACE PLUG
	1030				✓			300 Plug Down - CHECK w/ WIRELINE (PLUG @ 848') - CONT CALCULATES - CLOSE IN HEAD - WASH UP
	1100							JOB COMPLETE

THANKS  
- FENG