

SEP 21

TRILOBITE TESTING, L.L.C.

CONFIDENTIAL

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

Drill-Stem Test Data

API# 15-053-21091

Well Name BECK #1 Test No. 1 Date 8/17/93
 Company HALLWOOD PETROLEUM INC Zone ARBUCKLE
 Address P.O. BOX 378111 DENVER CO 80237-8111 Elevation 1828
 Co. Rep./Geo. JIM MUSGROVE Cont. DUKE DRLG RIG #1 Est. Ft. of Pay _____
 Location: Sec. 28 Twp. 17S Rge. 10W Co. ELLSWORTH State KS

Interval Tested	<u>3311-3327</u>	Drill Pipe Size	<u>4.5" FH</u>
Anchor Length	<u>16</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>409</u>
Top Packer Depth	<u>3306</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>3311</u>	Mud Wt.	<u>9.5</u> lb/Gal.
Total Depth	<u>3327</u>	Viscosity	<u>45</u> Filtrate <u>11</u>

Tool Open @ 11:30 PM Initial Blow VERY WEAK BLOW - DEAD IN 25 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 10 Flush Tool? NO

Rec. <u>1</u>	Feet of	<u>CLEAN OIL</u>	RELEASED OCT 12 1994 FROM CONFIDENTIAL
Rec. <u>9</u>	Feet of	<u>OIL CUT MUD-3% OIL/ 97% MUD</u>	
Rec. _____	Feet of	_____	
Rec. _____	Feet of	_____	
Rec. _____	Feet of	_____	

BHT 118 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1715.3 PSI AK1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 22.4 PSI @ (depth) 3316 w / Clock No. 8376

(C) First Final Flow Pressure 22.4 PSI AK1 Recorder No. 13754 Range 4000

(D) Initial Shut-in Pressure 970.3 PSI @ (depth) 3324 w / Clock No. 27501

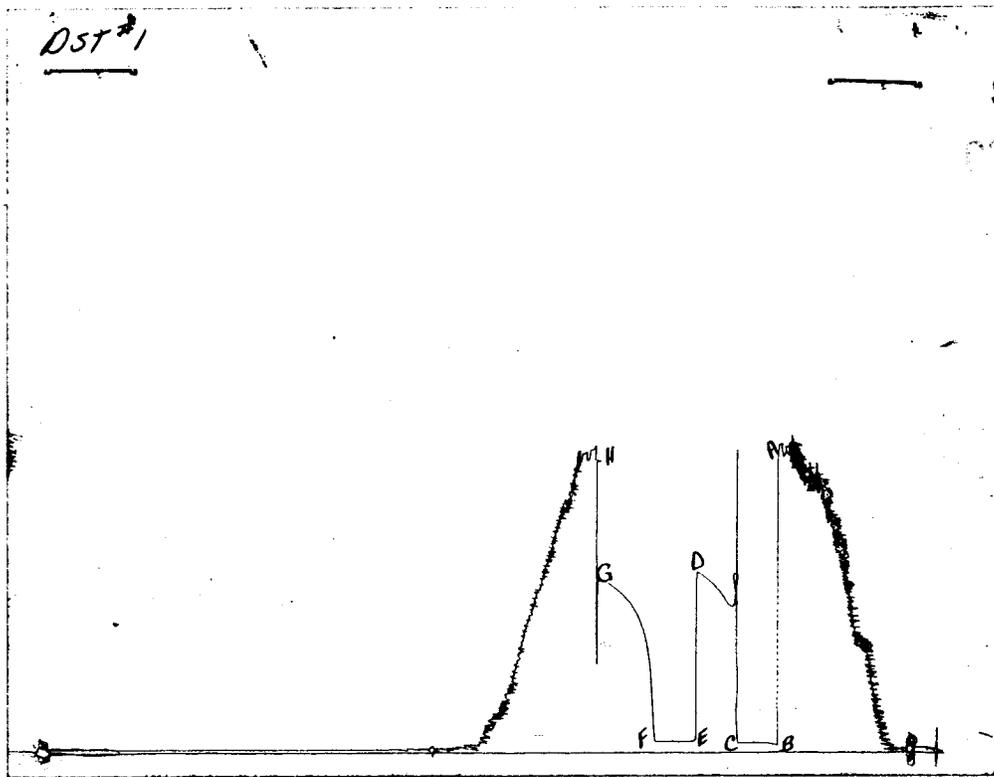
(E) Second Initial Flow Pressure 33.4 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 33.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 944.5 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1705.6 PSI Initial Shut-in 30 Final Shut-in 45

Our Representative PETE WAGGONER



RELEASED

OCT 12 1994

FROM CONFIDENTIAL

This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1706	1715.3
(B) FIRST INITIAL FLOW PRESSURE	19	22.4
(C) FIRST FINAL FLOW PRESSURE	19	22.4
(D) INITIAL CLOSED-IN PRESSURE	966	970.3
(E) SECOND INITIAL FLOW PRESSURE	29	33.4
(F) SECOND FINAL FLOW PRESSURE	29	33.4
(G) FINAL CLOSED-IN PRESSURE	936	944.5
(H) FINAL HYDROSTATIC MUD	1696	1705.6

CALCULATED RECOVERY ANALYSIS

WEIGHT PIPE

CONFIDENTIAL

DST #

1

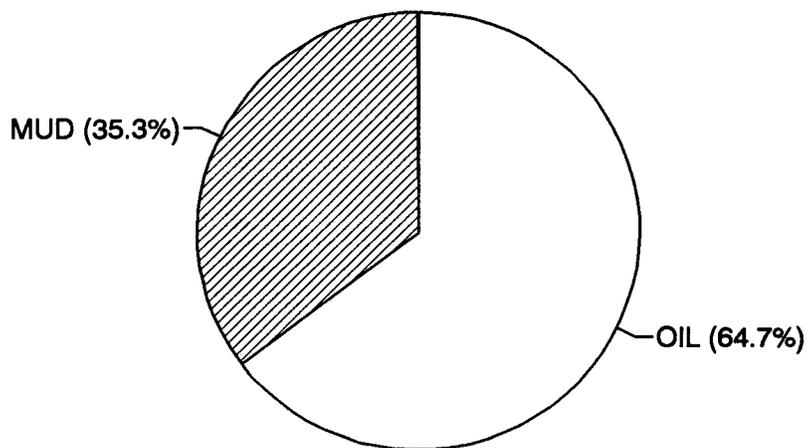
TICKET #

6169

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	1	0	0	100	1	0	0	0	0
2	9	0	0	3	15	0	0	97	8.73
3			0		0	0	0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	10	0	0	160	16	0	0	87.3	8.73

		HRS OPEN	BBL/DAY
BBL OIL=	0.112	*	1
BBL WATER=	0	*	0
BBL MUD=	0.06111		
BBL GAS=	0		

100
 SEP 2 1
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Test Ticket **CONFIDENTIAL** CONFIDENTIAL NE 6169

Well Name & No. Beck #1 Test No. 1 Date 8-17-93
 Company Hallwood Petroleum Inc. Zone Tested Aberville
 Address 4582 S. Ustick Street Parkway Suite 1700 Elevation 1828 KB
DENVER CO.
 CO. Rep./Geo. Jim Musgrave Cont. Duke Oily Co. Rig #1 Est. Ft. of Pay _____
 Location: Sec. 28 Twp. 17 Rge. 10 Co. Ellsworth State Ks.
 No. of Copies 5? Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3311 - 3327 Drill Pipe Size 4 1/2 FH
 Anchor Length 16 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3306 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3311 Wt. Pipe I.D. — 2.7 Ft. Run 409'
 Total Depth 3327 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.5 lb/gal. Viscosity 45 Filtrate 11.0
 Tool Open @ 11:30 pm Initial Blow very weak blow - dead in 25 mins

Final Blow No blow

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>1</u> Feet Of <u>clean oil</u>	%gas <u>100</u> %Oil _____ %water _____ %mud _____	
Rec. <u>9</u> Feet Of <u>oil cut mud</u>	%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 _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F. Chlorides _____ ppm Recovery Chlorides _____ ppm System

- (A) Initial Hydrostatic Mud 1706 PSI Ak1 Recorder No. 7437 Range 4200
- (B) First Initial Flow Pressure 19 PSI @ (depth) 3316 w/Clock No. 8376
- (C) First Final Flow Pressure 19 PSI AK1 Recorder No. 13754 Range 4000
- (D) Initial Shut-In Pressure 966 PSI @ (depth) 3324 w/Clock No. 27501
- (E) Second Initial Flow Pressure 29 PSI AK1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 29 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-In Pressure 936 PSI Initial Opening 30 Test 6:00:00
- (H) Final Hydrostatic Mud 1696 PSI Initial Shut-In 30 Jars _____

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

Final Flow 30 Safety Joint _____
 Final Shut-In 45 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____

Approved By Jim Musgrave
 Our Representative Pat Waggoner

TOTAL PRICE \$ 600.00