

WELL NAME

Brown Dunn #1

COMPANY

Hummon Corp.

LOCATION

34-33s-17w

Comanche co Kansas

DATE

1/11/01

TRILOBITE TESTING L.L.C.

OPERATOR : Hummon Corp. DATE 01-07-001
 WELL NAME: Brown Dunn #1 KB 1829.00 ft TICKET NO: 13633 DST #4
 LOCATION : 34-33s-17w Comanche co KS GR 1818.00 ft FORMATION: Mississippi
 INTERVAL : 5143.00 To 5160.00 ft TD 5160.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 2050 to 2120 hr
SI 45 Rangè (Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 2120 to 2205 hr
SF 60 Clock (hrs)	12 hr	12 hr	batt.			SF Fr. 2205 to 2305 hr
FS 120 Depth (ft)	5147.0	5147.0	5148.0	0.0	0.0	FS Fr. 2305 to 0105 hr

	Field	1	2	3	4	
A. Init Hydro	2492.0	0.0	2538.0	0.0	0.0	T STARTED 1830 hr
B. First Flow	21.0	0.0	24.0	0.0	0.0	T ON BOTM 2045 hr
B1. Final Flow	69.0	0.0	78.0	0.0	0.0	T OPEN 2050 hr
C. In Shut-in	1723.0	0.0	1753.0	0.0	0.0	T PULLED 0106 hr
D. Init Flow	37.0	0.0	80.0	0.0	0.0	T OUT 0358 hr
E. Final Flow	130.0	0.0	137.0	0.0	0.0	
F. Fl Shut-in	1738.0	0.0	1768.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2397.0	0.0	2405.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 95000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 75000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 186.00 ft
						D.P. Length 4958.00 ft

RECOVERY

Tot Fluid 250.00 ft of 186.00 ft in DC and 64.00 ft in DP
 45.00 ft of Slightly oil cut mud
 0.00 ft of 4% oil 96% Mud
 85.00 ft of Muddy water with oil specs
 0.00 ft of 58% water 42% mud
 120.00 ft of Salt water
 0.00 ft of
 0.00 ft of Rw .18 ohms @ 40 degrees F.
 0.00 ft of EST.FT. of PAY-----16
 SALINITY 76000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak blow. Slow increase to 6" in H2O

Initial Shut-In:

No blow.

Final Flow:

Weak blow. Slow increase to 6 1/2" in H2O.

Final Shut-In:

No blow.

SAMPLES: None
 SENT TO: Caraway/Liberal

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/cf
 Vis. 45.00 S/L
 W.L. 11.20 in3
 F.C. 0.20 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 130.00 F
 Hole Condition good
 % Porosity 12.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 N
 Cushion Type None
 Reversed Out N
 Tool Chased N
 Tester Gary Pevoteaux
 Co. Rep. Arden Ratzlaff
 Contr. Duke Drlg.
 Rig # 5
 Unit #
 Pump T. LCM 1 #/bl

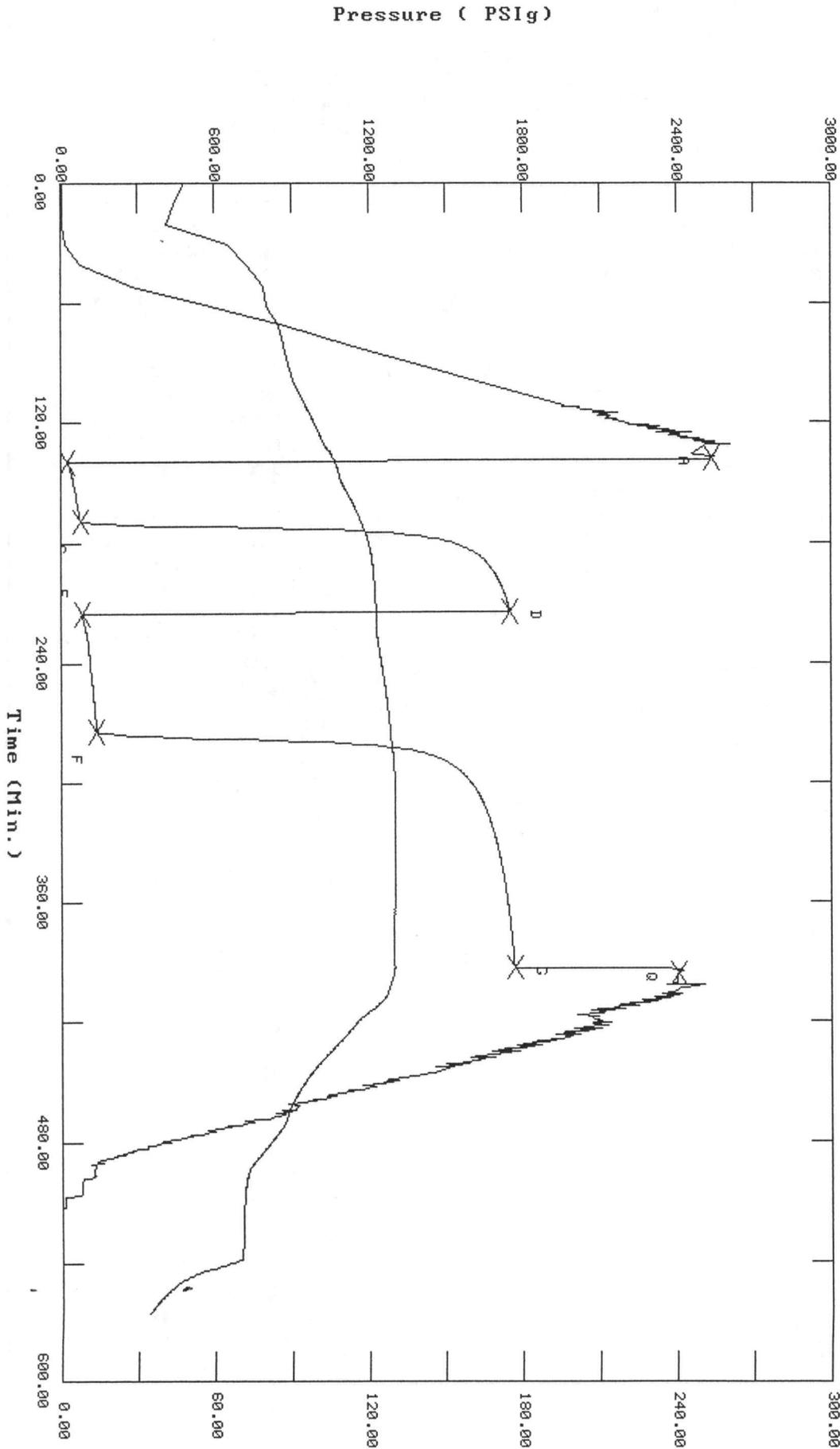
Test Successful: Y

13633 DST#4 BROWN DUNN #1 HUMMON CORPORATION

TEST HISTORY

Flag Points

	t (Min.)	Pk (PSig)
R:	0.00	2538.39
B:	0.00	23.66
C:	29.50	78.30
D:	45.50	1752.99
E:	0.00	79.72
F:	59.50	137.05
G:	118.50	1768.10
Q:	0.00	2404.69

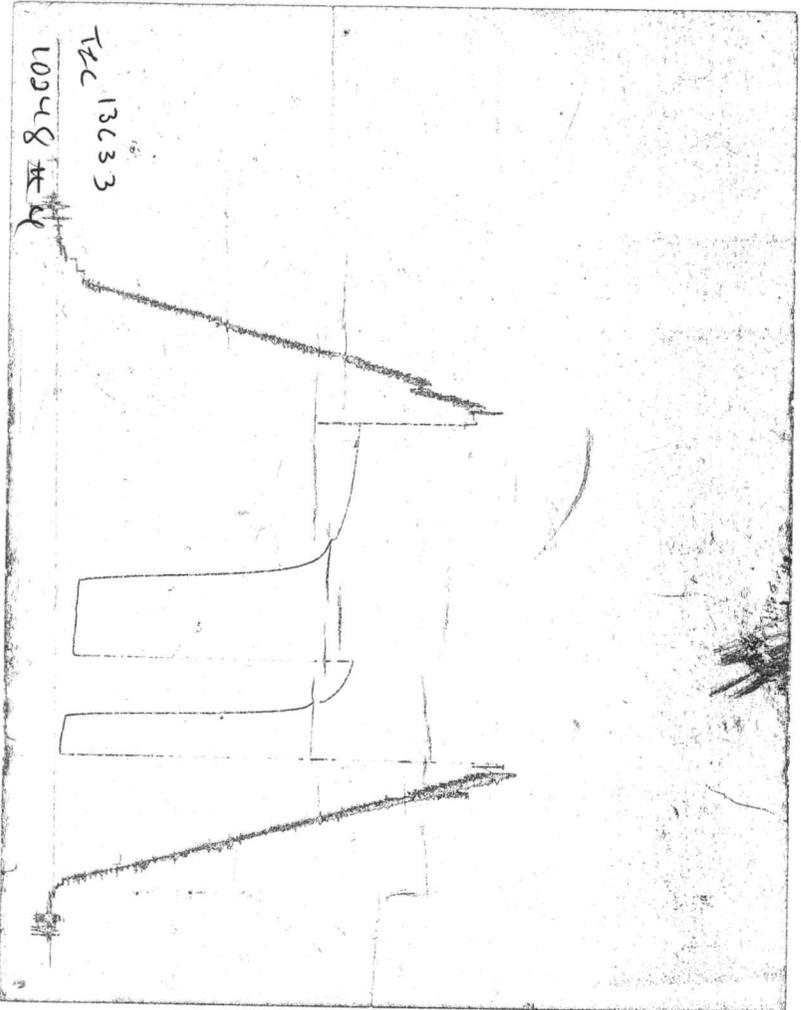


Pressure (PSig)

Temperature (DEG F)

Time (Min.)

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No. 13633

Test Ticket

Well Name & No. Brown Dunn #1 Test No. 34 Date 1-7-2000
 Company Hammann Corp. Zone Tested Miss.
 Address 950 N. Tyler Wichita, KS 67202 Elevation 1829 KB 1818 GL
 Co. Rep / Geo. Arden Ratzliff Cont. Duke Dwyer #5 Est. Ft. of Pay 16 Por. %
 Location: Sec. 34 Twp. 33S Rge. 17W Co. Comanche State KS
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5143 - 5160' Initial Str Wt./Lbs. 74,000 Unseated Str Wt./Lbs. 75,000
 Anchor Length 17' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 5138' Tool Weight 2,100
 Bottom Packer Depth 5143' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 5160' Wt. Pipe Run None Drill Collar Run 186'
 Mud Wt. 9.1 LCM 1# Vis. 45 WL 11.2cc Drill Pipe Size 4 1/2" x H.Ft. Run 49.58'
 Blow Description IF: Weak below. Slow increase to 6" in H₂O. FST: No below.
FF: Weak below. Slow increase to 6 1/2" in H₂O FST: No below.

Recovery — Total Feet 250 GIP trace Ft. in DC 186 Ft. in DP 64
 Rec. 45 Feet Of 5.0CM %gas 4 %oil %water 96 %mud
 Rec. 85 Feet Of M.W. (Wail spur) %gas %oil 58 %water 42 %mud
 Rec. 120 Feet Of Salt Water %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 130 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW .18 @ 40 °F Chlorides 74,000 ppm Recovery Chlorides 6,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2492	2538		2342	1735
(B) First Initial Flow Pressure	21	24		(depth) 5148'	T-Started 1830
(C) First Final Flow Pressure	69	78		10248	T-Open 2050
(D) Initial Shut-in Pressure	1723	1753		(depth) 5157'	T-Pulled 0106
(E) Second Initial Flow Pressure	87	80			T-Out 0358
(F) Second Final Flow Pressure	130	137			T-Off Location 0515
(G) Final Shut-in Pressure	1730	1768		Initial Opening 30	Test <u>✓</u> 900 ⁰⁰
(Q) Final Hydrostatic Mud	2397	2405		Initial Shut-in 45	Jars <u> </u>
				Final Flow 60	Safety Joint <u>✓</u> 50 ⁰⁰
				Final Shut-in 120	Straddle <u> </u>
					Circ. Sub <u> </u>
					Sampler <u> </u>

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 Arden Ratzliff

Our Representative Cam Fawcett

Extra Packer
 Elec. Rec. ✓ 150⁰⁰
 Mileage ✓ 90⁰⁰
 Other 1hr 30
 TOTAL PRICE \$ 1170⁰⁰

TRILOBITE TESTING L.L.C.

OPERATOR : Hummon Corp. DATE 01-08-001
 WELL NAME: Brown Dunn #1 KB 1829.00 ft TICKET NO: 13634 DST #5
 LOCATION : 34-33s-17w Comanche co KS GR 1818.00 ft FORMATION: Mississippi
 INTERVAL : 5098.00 To 5149.00 ft TD 5260.00 ft TEST TYPE: CONV/STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10290	10290	2342	10248		PF Fr. 0303 to 0333 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	4400.0	0.0	IS Fr. 0333 to 0433 hr
SF 60 Clock(hrs)	12 hr	12 hr	batt.	12 hr		SF Fr. 0433 to 0533 hr
FS 120 Depth(ft)	5142.0	5142.0	5107.0	5257.0	0.0	FS Fr. 0533 to 0733 hr

	Field	1	2	3	4	
A. Init Hydro	2493.0	0.0	2535.0	0.0	0.0	T STARTED 2352 hr
B. First Flow	83.0	0.0	26.0	0.0	0.0	T ON BOTM 0300 hr
B1. Final Flow	83.0	0.0	48.0	0.0	0.0	T OPEN 0303 hr
C. In Shut-in	1658.0	0.0	1623.0	0.0	0.0	T PULLED 0735 hr
D. Init Flow	98.0	0.0	53.0	0.0	0.0	T OUT 1015 hr
E. Final Flow	117.0	0.0	82.0	0.0	0.0	
F. Fl Shut-in	1726.0	0.0	1690.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2472.0	0.0	2428.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I	T		Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid	130.00 ft of	130.00 ft in DC and	0.00 ft in DP	Unseated Str Wt	75000.00 lbs
300.00	ft of Gas in pipe.			Bot Choke	0.75 in
70.00	ft of Slightly gas cut mud			Hole Size	7.88 in
0.00	ft of 3% gsa 97% mud			D Col. ID	2.25 in
60.00	ft of Slightly oil & gas cut mud			D. Pipe ID	3.80 in
0.00	ft of 1% oil 14% gas 85% mud			D.C. Length	186.00 ft
0.00	ft of			D.P. Length	4896.00 ft
0.00	ft of Rw n.c. ohms @	degrees F.			
0.00	ft of EST.FT. of PAY-----	12			
SALINITY	6000.00 P.P.M.	A.P.I. Gravity	0.00		

BLOW DESCRIPTION

Initial Flow:
 Fair blow bottom of bucket in 25 minutes.
 Initial Shut-In:
 No blow.
 Final Flow:
 Fair blow. Bottom of bucket in 33 minutes.
 Final Shut-In:
 No blow.

SAMPLES: None
 SENT TO: Caraway/Liberal

Test Successful: Y

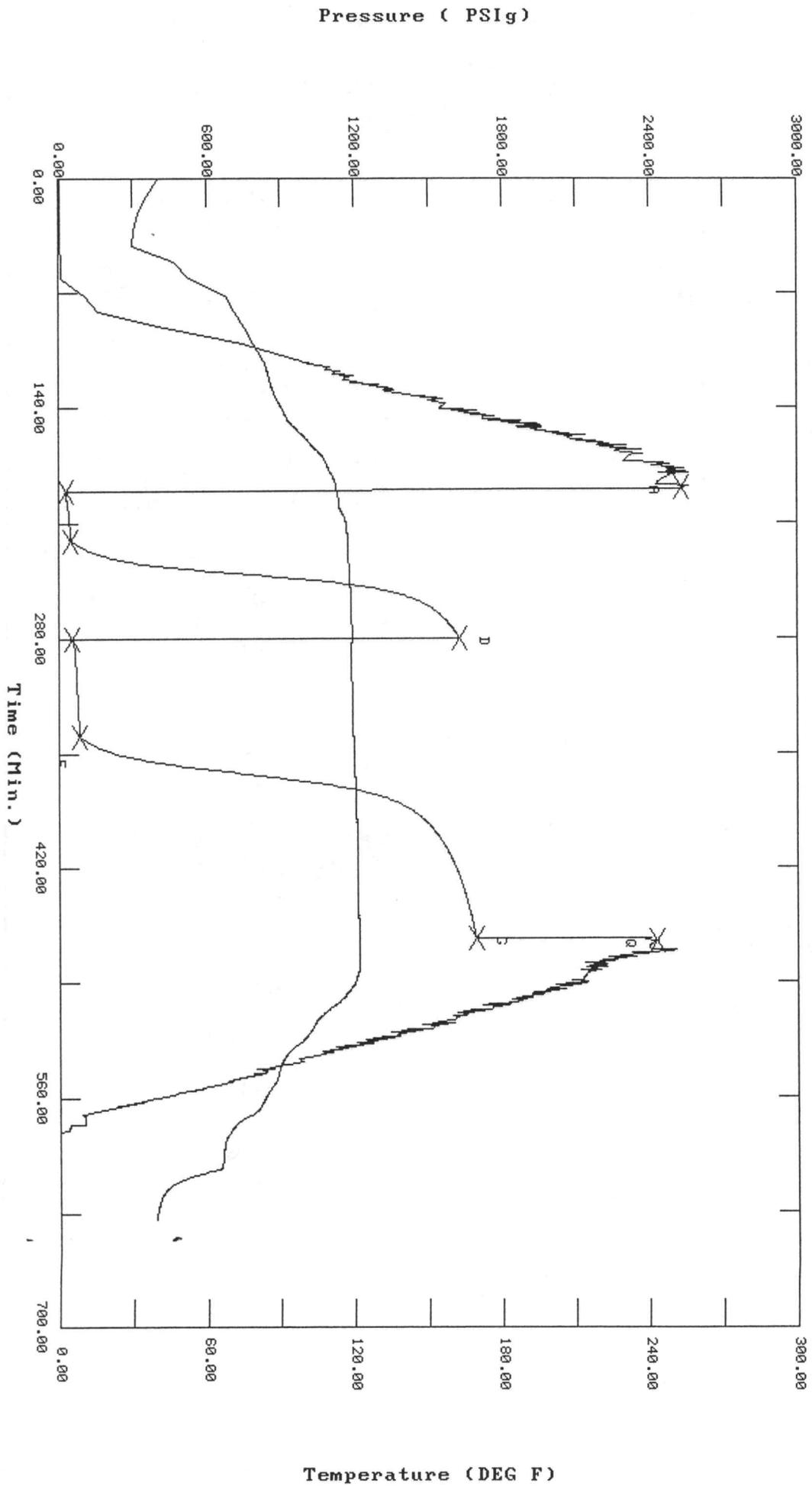
MUD DATA-----

Mud Type	Chemical
Weight	29.00 lb/cf
Vis.	53.00 S/L
W.L.	11.20 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	good
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Arden Ratzlaff
Contr.	Duke Drlg.
Rig #	5
Unit #	
Pump T.	LCM 1 #/bl

TEST HISTORY
 13634 DST#5 BROWN DUNN #1 HUMMON CORP.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2535.45
B:	0.00	25.93
C:	30.00	47.58
D:	59.50	1623.16
E:	0.00	52.78
F:	59.50	82.07
G:	123.00	1690.13
Q:	0.00	2428.19



Pressure (PSig)

Temperature (DEG F)

Time (Min.)