

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

API NO. 15- 15007-22567-00-00

County BARBER

NE-SE-SW. Sec. 10 Twp. 34S Rge. 13W ^N _W

Operator: License # 5506 ORIGINAL

990' FSL Feet from (S) (circle one) Line of Section

Name: WOOLSEY PETROLEUM CORP.

2310' FWL Feet from (E) (circle one) Line of Section

Address 125 N MARKET, SUITE 1000

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

City/State/Zip WICHITA, KS 67202

Lease Name DONOVAN Well # 1

Purchaser: KOCH OIL COMPANY

Field Name UN-NAMED

Operator Contact Person: DEBRA CLINGAN

Producing Formation HERTHA

Phone (316) 267-4379 ext 106

Elevation: Ground 1694' KB 1702'

Contractor: Name: DUKE DRILLING CO INC.

Total Depth LTD 5433 PBDT 4737'

License: 5929

Amount of Surface Pipe Set and Cemented at 220' Feet

Wellsite Geologist: MIKE MAUNE

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion

If yes, show depth set _____ Feet

- New Well Re-Entry Workover
- Oil SWD SIGW Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

If Workover/Reentry: Old Well Info as follows:

Drilling Fluid Management Plan AH-1, 2-23-99 UC
(Data must be collected from the Reserve Pit)

Operator: N/A

Chloride content 5200 ppm Fluid volume _____ bbls

Well Name: _____

Dewatering method used _____

Comp. Date _____ Old Total Depth _____

Location of fluid RECEIVED hauled offsite: RELEASED
KANSAS CORPORATION COMMISSION

- Deepening Re-perf. Conv. to Inj/SWD
- Plug Back PBDT
- Casing/Led Docket No. _____
- Dual Completion Docket No. _____
- Other (SWD or Inj?) Docket No. _____

Operator Name 1-26-99 NOV 6 2000

Lease Name JAN 26 1999 License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County WICHITA, KS Docket No. _____

Spud Date 07/06/98 Date Reached TD 07/22/98 Completion Date 08/10/98

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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

Signature Mark P. Stevenson
MARK P. STEVENSON

Title V.P. - OPERATIONS Date 11/3/98

Subscribed and sworn to before me this 3rd day of NOVEMBER 19 98.

Notary Public Debra K. Clingan

Date Commission Expires MARCH 4, 2002

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

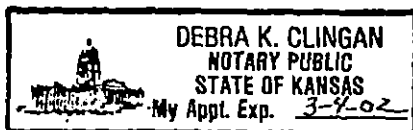
C Wireline Log Received

C Geologist Report Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)



SIDE TWO

Operator Name WOOLSEY PETROLEUM CORP.Lease Name DONOVANWell # 1Sec. 10 Twp. 34 Rge. 13W EastCounty BARBER 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 Yes No
(Attach Additional Sheets.) Log Formation (Top), Depth and Datums SampleSamples Sent to Geological Survey Yes No

Name Top Datum

Cores Taken Yes No

KRIDER 2144 (~ 442)

Electric Log Run Yes No
(Submit Copy.)

WABAUNSEE 3024 (~1322)

DOUGLAS 4038 (~2336)

LANSING 4154 (~2452)

MARMATON 4692 (~2990)

MISSISSIPPIAN C 4782 (~3080)

KINDERHOOK 5004 (~3302)

VIOLA 5132 (~3430)

SIMPSON SHALE 5238 (~3536)

ARBUCKLE 5385 (~3683)

List All E.Logs Run:

*Sonic Cement Bond Log,
Dual Ind., Sonic, Micro,
Comp. Neutron Density PE.*

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	14-3/4"	10-3/4"	32#/ft	220'	60/40POZ	175	2%GEL, 3%CC
PRODUCTION	7-7/8"	4-1/2"	10.5#/ft	4778'	ASC	100	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purposes:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 JSPF	4634-4638' HERTHA	1000 GAL 15% NEFE	SAME
		5400 GAL 15% HCL	SAME

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	4691'	--	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
08/19/98				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	3.34	-0-	12	

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

 Vented Sold Used on Lease
(If vented, submit ACO-18.)

 Open Hole Perf. Dually Comp. Commingled

 Other (Specify) _____
4634-38'

ALLIED CEMENTING CO., INC. 2211

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
med. lodges, ks

DATE 7-6-98	SEC. 10	TWP. 34s	RANGE 13w	CALLED OUT 5:00PM	ON LOCATION 7:00PM	JOB START 8:45PM	JOB FINISH 9:30PM
LEASE DONOAN	WELL # 1	LOCATION Union Chapel, 35-2w		COUNTY Barber	STATE KS.		

CONTRACTOR Duke Drig. #2	OWNER Woolsey Petroleum
TYPE OF JOB Surface Csg.	CEMENT
HOLE SIZE 14 3/4	T.D. 220
CASING SIZE 10 3/4 x 40.50	DEPTH 219'
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX 200	MINIMUM 100
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. 15	By Request
PERFS.	
AMOUNT ORDERED 175 x 3 3/8 @ 60/40	
3% CMC + 2% Gel	
COMMON A 105 @ 6.35	666.75
POZMIX 70 @ 3.25	227.50
GEL 3 @ 9.50	28.50
CHLORIDE 6 @ 28.00	168.00

EQUIPMENT

PUMP TRUCK #343	CEMENTER Larry Dredling
	HELPER Justin Hart
BULK TRUCK #301	DRIVER Kevin Brunaardt
BULK TRUCK #	DRIVER

HANDLING 175	@ 1.05	183.75
MILEAGE 175 x 15	@ .04	105.00
TOTAL		\$1379.50

REMARKS:

Pipe on Bottom - Break Circ
mix + dump 175 x 3 3/8 @ 60/40 + 2% Gel
3% CMC Release Plug Pump
Displace Plug w/ 20' @ 8bls. Fresh
1 3/8" Short In Circ. 255 x to
Pit

DEPTH OF JOB 219'		
PUMP TRUCK CHARGE 0-300'		470.00
EXTRA FOOTAGE @		
MILEAGE 15 @ 2.85		42.75
PLUG Wood-Cup 10 3/4"		55.00
TOTAL		\$567.75

FLOAT EQUIPMENT:

	@	
	@	
	@	
	@	
	@	

TOTAL

TAX

TOTAL CHARGE	\$1947.25
DISCOUNT	\$292.08
IF PAID IN 30 DAYS	
NET	\$1655.17

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *John G. Ambruster*

ALLIED CEMENTING CO., INC. 2218

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

AUG 12 1998

SERVICE POINT:
med. lodges, ks

DATE 7-23-98	SEC. 10	TWP. 34s	RANGE 13w	CALLED OUT 8:00PM	ON LOCATION 11:00PM	JOB START 4:00AM	JOB FINISH 6:00AM
LEASE DONOAN	WELL # 1	LOCATION Union Chapel, 35-2w		COUNTY Barber	STATE KS.		

CONTRACTOR Duke Drig. #2	OWNER Woolsey Petroleum
TYPE OF JOB Prod. Csg.	CEMENT
HOLE SIZE 7 7/8	T.D. 5429'
CASING SIZE 4 1/2 x 10.5	DEPTH 4770'
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX 1100	MINIMUM 200
MEAS. LINE	SHOE JOINT 40.86
CEMENT LEFT IN CSG.	
PERFS.	
AMOUNT ORDERED 500 Gals. 2% MCL	
500 gals. mid. sweep 100 x 5. Class A - A	
5% Gel Seal 255 x 60/40 1% Gel	
COMMON 15 @ 6.35	95.25
POZMIX 10 @ 3.25	32.50
GEL 1 @ 9.50	9.50
CHLORIDE @	
450 120 @ 3.20	144.00
1% Gel Seal 200 @ 1.38	276.00
Mid-Sweep 200 @ 1.80	360.00
CLAPR 1 Gal. @ 22.90	22.90

EQUIPMENT

PUMP TRUCK #343	CEMENTER Larry Dredling
	HELPER Justin Hart
BULK TRUCK #301	DRIVER James Holt
BULK TRUCK #	DRIVER

HANDLING 125	@ 1.05	131.25
MILEAGE 125 x 15	@ .04	78.75
TOTAL		\$2301.40

REMARKS:

Pipe on Bottom - Break Circ
Decp Csg. mix + dump 500 gals.
2% MCL 500 gals. mid. sweep
Pig Dthole - mouse hole 255 x 60/40
1% Gel Cement 100 x 5. Class A + A
5% Gel Seal w/ short Pump line
Release Plug Pump Displace Plug
477 1/4 Bls Bump Plug Release Pst
Float Held.

DEPTH OF JOB 4770'		
PUMP TRUCK CHARGE		1216.00
EXTRA FOOTAGE @		
MILEAGE 15 @ 2.85		42.75
PLUG Hatch Down		175.00
TOTAL		\$1431.75

FLOAT EQUIPMENT:

1-AFL Float Shoe @ 224.00	224.00
12-Besp. Scratchers @ 32.00	384.00
1-Basket @ 129.00	129.00
6-Centerizers @ 53.00	318.00
TOTAL	\$1099.00

TAX

TOTAL CHARGE	\$4752.15
DISCOUNT	\$713.82
IF PAID IN 30 DAYS	
NET	\$4039.33

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *Wm. R. Callaughan* Wm. R. CALLAUGHAN

ORIGINAL

JAN 26 1999

CONSERVATION DIVISION
WICHITA, KS

FROM CONFIDENTIAL

CONFIDENTIAL

JUL 27 1998

WELL NAME: Donovan
COMPANY: Woolsey Petroleum Corp
LOCATION: 10-34S-13W
Barber County, Kansas
DATE: 7/24/98

15-007-22567

RECEIVED

JUL 27 1998

FROM CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 26 1999

CONSERVATION DIVISION
WICHITA KS

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Pet, Corp.

DATE 07/11/98

WELL NAME: Donovan

KB 1702.00 ft TICKET NO: 11826 DST #1

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft FORMATION: Snyderville

INTERVAL : 3948.00 To 4000.00 ft

TD 4000.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1049 to 1119 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1119 to 1219 hr
SF 90 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1219 to 1349 hr
FS 240 Depth(ft)	3997.0	3997.0	3988.0	0.0	0.0	FS Fr. 1349 to 1749 hr

	Field	1	2	3	4	
A. Init Hydro	1845.0	1836.0	1889.0	0.0	0.0	T STARTED 0845 hr
B. First Flow	111.0	96.0	54.0	0.0	0.0	T ON BOTM 1046 hr
B1. Final Flow	101.0	91.0	54.0	0.0	0.0	T OPEN 1049 hr
C. In Shut-in	283.0	276.0	266.0	0.0	0.0	T PULLED 1749 hr
D. Init Flow	101.0	90.0	49.0	0.0	0.0	T OUT 1905 hr
E. Final Flow	81.0	86.0	53.0	0.0	0.0	
F. Fl Shut-in	689.0	686.0	693.0	0.0	0.0	
G. Final Hydro	1855.0	1851.0	1853.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I			Tool Wt. 2100.00 lbs
						Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 47000.00 lbs
						Unseated Str Wt 48000.00 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 0.00 ft
						D.P. Length 3964.00 ft

RECOVERY

Tot Fluid 45.00 ft of 0.00 ft in DC and 45.00 ft in DP
 45.00 ft of Very slight gas cut mud 2%gas 98%mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:
 Fair blow bottom of bucket in 24 mins
 Initial Shut-in:
 Bled down for 5 mins. No blow back
 Final Flow:
 Strong blow bottom of bucket in 30 mins.
 Final Shut-in:
 Bled down for 10 mins. No blow back

RELEASED

07103800

FROM CONFIDENTIAL

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	chemical
Weight	9.00 lb/c
Vis.	49.00 S/L
W.L.	11.50 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased Y	10.00 ft
Tester	Darren Amerine
Co. Rep.	Mikeal K, Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	no

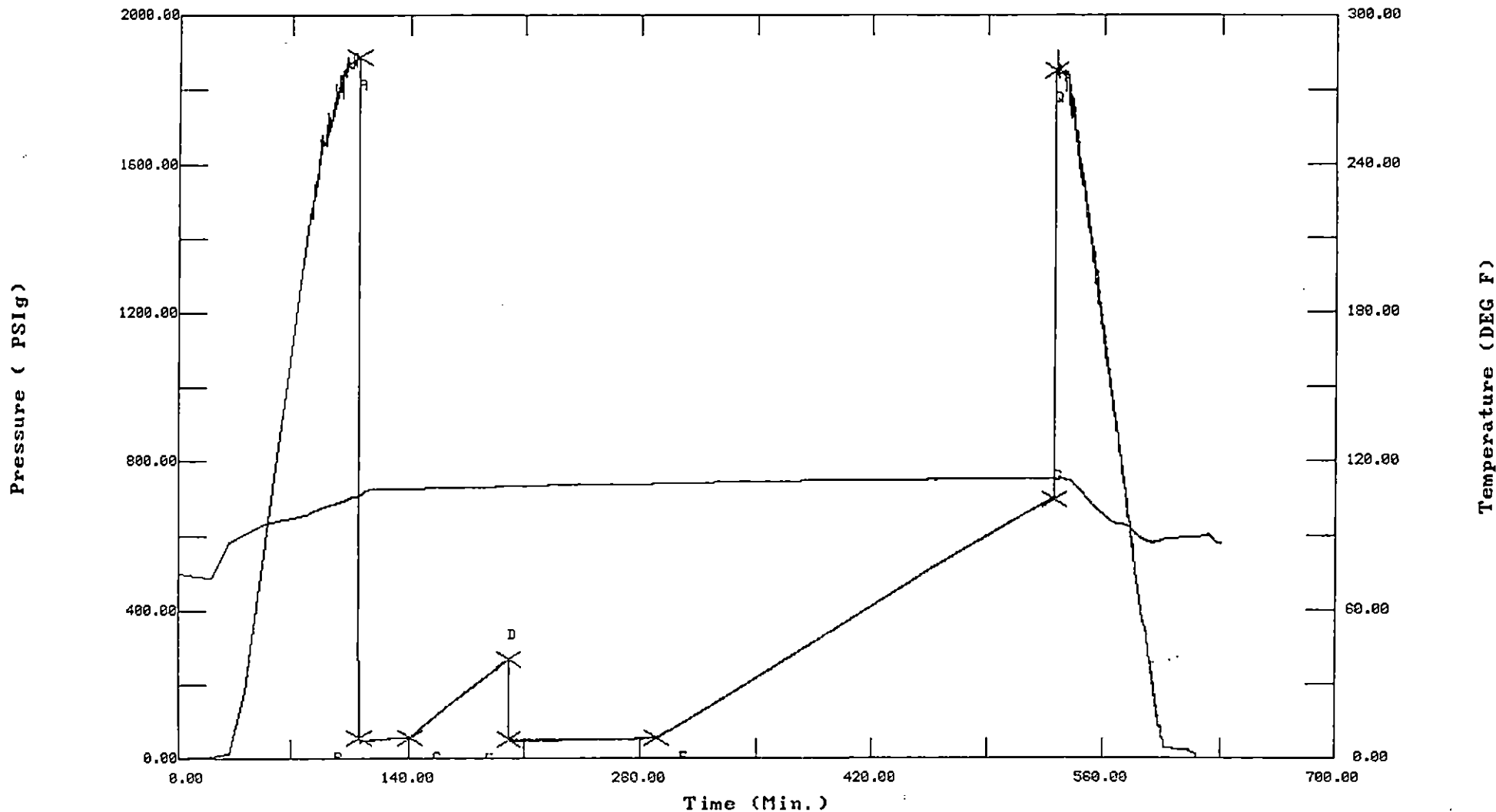
Test Successful: Y

TEST HISTORY

Tk#11826 DST#1 Donovan #1 Woolsey Pet, Corp.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	1888.89
B:	0.00	54.26
C:	30.25	54.38
D:	59.75	265.63
E:	0.00	48.89
F:	89.50	53.42
G:	240.75	693.43
Q:	0.00	1852.54



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Pet, Corp.

DATE 07/12/98

WELL NAME: Donovan

KB 1702.00 ft

TICKET NO: 11827

DST #2

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Toronto

INTERVAL : 4013.00 To 4050.00 ft

TD 4050.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	3030			PF Fr. 0601 to 0631 hr
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0631 to 0731 hr
SF 90	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0731 to 0901 hr
FS 240	Depth(ft)	4047.0	4047.0	4023.0	0.0	0.0	FS Fr. 0901 to 1301 hr

	Field	1	2	3	4	
A. Init Hydro	1916.0	1918.0	1911.0	0.0	0.0	T STARTED 0430 hr
B. First Flow	41.0	39.0	13.0	0.0	0.0	T ON BOTM 0558 hr
B1. Final Flow	30.0	34.0	20.0	0.0	0.0	T OPEN 0601 hr
C. In Shut-in	1367.0	1778.0	1381.0	0.0	0.0	T PULLED 1301 hr
D. Init Flow	41.0	43.0	22.0	0.0	0.0	T OUT 1410 hr
E. Final Flow	41.0	46.0	35.0	0.0	0.0	

	Field	1	2	3	4	TOOL DATA-----
F. Fl Shut-in	1458.0	1459.0	1463.0	0.0	0.0	Tool Wt. 2100.00 lbs
G. Final Hydro	1906.0	1902.0	1939.0	0.0	0.0	Wt Set On Packer 20000.00 lbs
Inside/Outside	0	0	I			Wt Pulled Loose 80000.00 lbs

RECOVERY

Tot Fluid 50.00 ft of 0.00 ft in DC and 50.00 ft in DP
 50.00 ft of Very slight gas cut mud 1%gas 99%mud
 873.00 ft of Gas in pipe
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

Unseated Str Wt	47000.00 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	0.00 ft
D.P. Length	3993.00 ft

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 4 mins.
 Initial Shut-in:
 Bled down for 5 mins. No blow back
 Final Flow:
 Strong blow bottom of bucket in 30 secs.
 Final Shut-in:
 Bled down for 10 mins. No blow back

MUD DATA-----	
Mud Type	chemical
Weight	9.00 lb/c
Vis.	47.00 S/L
W.L.	8.00 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Mikeal K, Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	no

SAMPLES:

SENT TO:

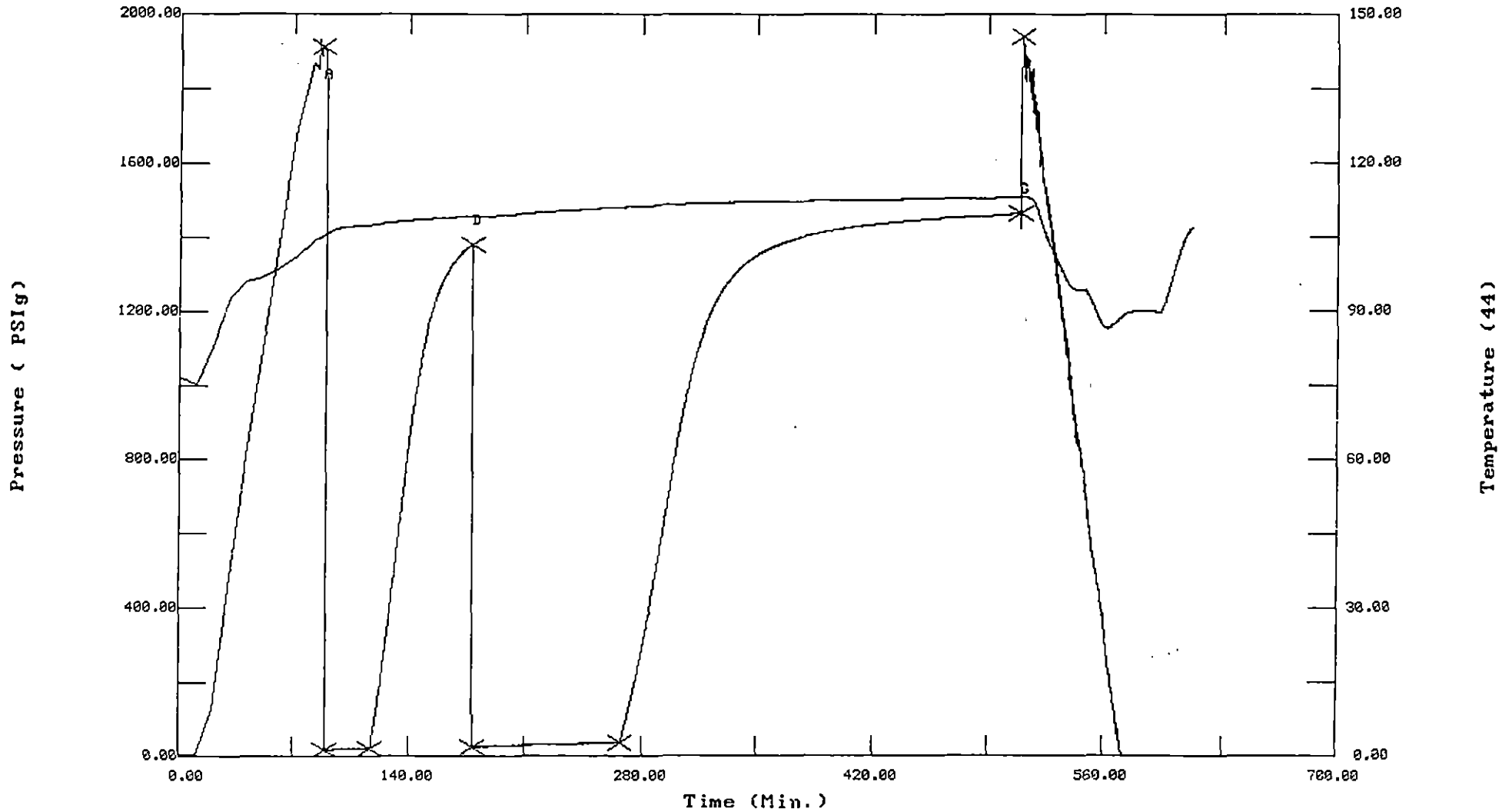
Test Successful: Y

TEST HISTORY

Tk#11827 DST#2 Donovan #1 Woolsey Pet, Corp.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	1911.22
B:	0.00	12.76
C:	27.50	19.55
D:	61.25	1381.12
E:	0.00	22.01
F:	88.25	34.65
G:	242.00	1463.37
Q:	0.00	1939.28



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Pet, Corp.

DATE 07/13/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11828 DST #3

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Douglas

INTERVAL : 4042.00 To 4109.00 ft

TD 4109.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 0214 to 0244 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0244 to 0344 hr
SF 30 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0344 to 0414 hr
FS 120 Depth(ft)	4106.0	4106.0	4085.0	0.0	0.0	FS Fr. 0414 to 0614 hr

	Field	1	2	3	4	
A. Init Hydro	1937.0	1921.0	1967.0	0.0	0.0	T STARTED 0022 hr
B. First Flow	71.0	59.0	36.0	0.0	0.0	T ON BOTM 0212 hr
B1. Final Flow	61.0	56.0	39.0	0.0	0.0	T OPEN 0214 hr
C. In Shut-in	334.0	344.0	367.0	0.0	0.0	T PULLED 0614 hr
D. Init Flow	51.0	56.0	38.0	0.0	0.0	T OUT 0721 hr
E. Final Flow	51.0	56.0	40.0	0.0	0.0	
F. Fl Shut-in	466.0	484.0	488.0	0.0	0.0	
G. Final Hydro	1876.0	1842.0	1874.0	0.0	0.0	

Inside/Outside 0 0 I

TOOL DATA-----

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	75000.00 lbs
Initial Str Wt	47000.00 lbs
Unseated Str Wt	47000.00 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	0.00 ft
D.P. Length	4022.00 ft

RECOVERY

Tot Fluid	5.00 ft of	0.00 ft in DC and	5.00 ft in DP
5.00	ft of drilling mud		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		

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

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	57.00 S/L
W.L.	8.00 in3
F.C.	0.32 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:
Weak blow 1/4"-1/2" in bucket died
off to surface blow

Initial Shut-in:
No blow back.

Final Flow:
Dead blow

Final Shut-in:
No blow back

Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Mikeal K. Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	none

SAMPLES:

SENT TO:

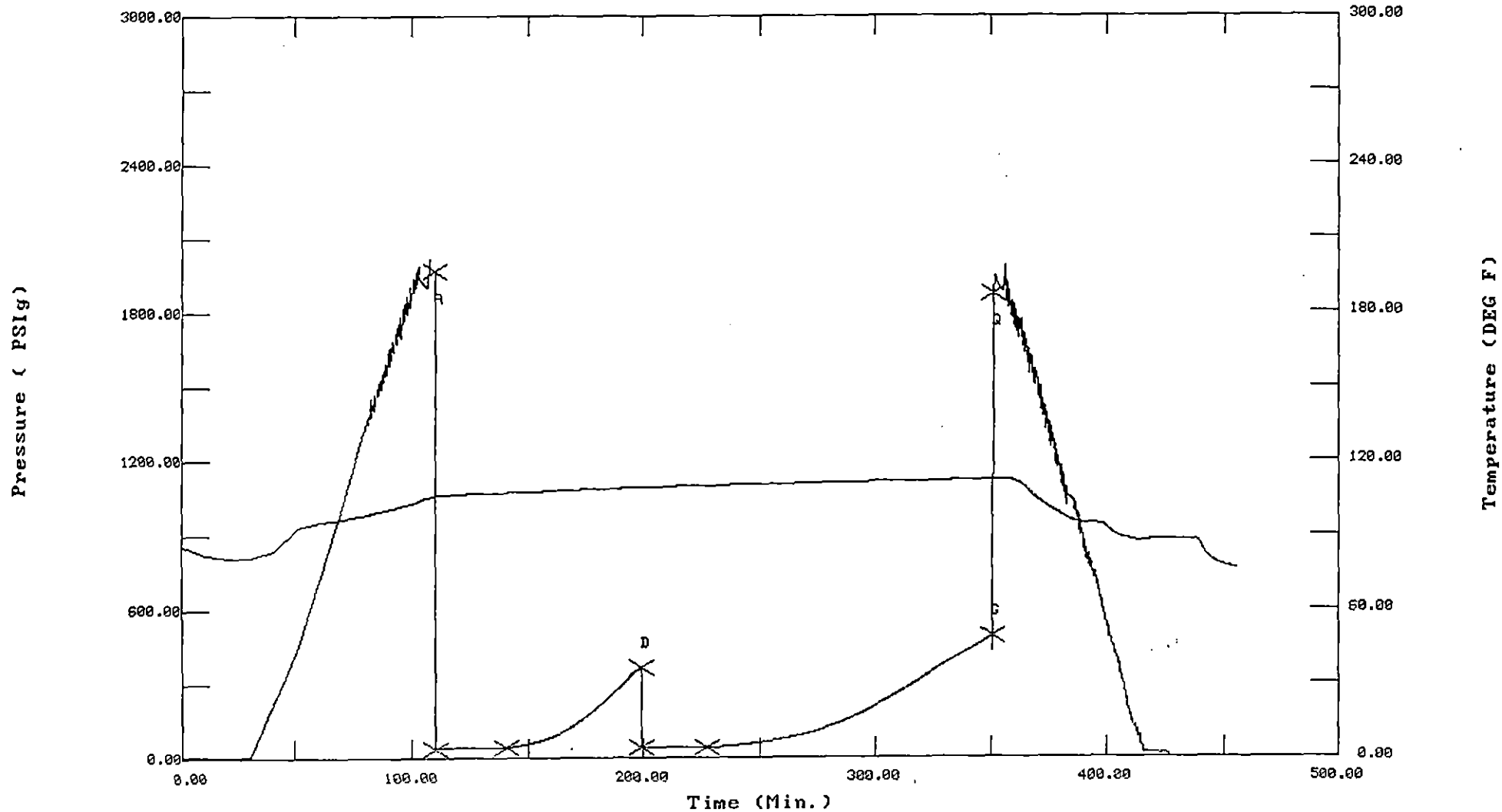
Test Successful: Y

TEST HISTORY

Tk#11828 DST#3 Donovan #1 Woolsey Pet, Corp.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	1966.82
B:	0.00	36.87
C:	38.50	38.94
D:	59.00	366.90
E:	0.00	38.18
F:	27.75	40.16
G:	123.00	488.05
Q:	0.00	1874.09



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet, corp.

DATE 07/13/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11829

DST #4

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Lansing "A"

INTERVAL : 4158.00 To 4175.00 ft

TD 4175.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1823 to 1853 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1853 to 1953 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1953 to 2053 hr
FS 240 Depth(ft)	4172.0	4172.0	4164.0	0.0	0.0	FS Fr. 2053 to 0053 hr

	Field	1	2	3	4	
A. Init Hydro	2048.0	0.0	1993.0	0.0	0.0	T STARTED 1653 hr
B. First Flow	81.0	0.0	45.0	0.0	0.0	T ON BOTM 1821 hr
B1. Final Flow	152.0	0.0	176.0	0.0	0.0	T OPEN 1823 hr
C. In Shut-in	1468.0	0.0	1473.0	0.0	0.0	T PULLED 0053 hr
D. Init Flow	202.0	0.0	176.0	0.0	0.0	T OUT 0216 hr
E. Final Flow	375.0	0.0	375.0	0.0	0.0	
F. Fl Shut-in	1518.0	0.0	1491.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2038.0	0.0	2021.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0		I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 0.00 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 0.00 ft
						D.P. Length 4148.00 ft

RECOVERY

Tot Fluid 620.00 ft of 0.00 ft in DC and 620.00 ft in DP
 60.00 ft of Slight mud cut water
 0.00 ft of 84% water 15% mud trace of oil
 520.00 ft of Salt water
 40.00 ft of Heavy mud cut water 72% water 28% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 130000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 10 mins.
 Initial Shut-in:
 Bled down for 3 mins.No blow back
 Final Flow:
 Fair blow bottom of bucket in 15 mins
 Final Shut-in:
 Bled down for 3 mins. no blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	52.00 S/L
W.L.	8.20 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Mikeal K.Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	no

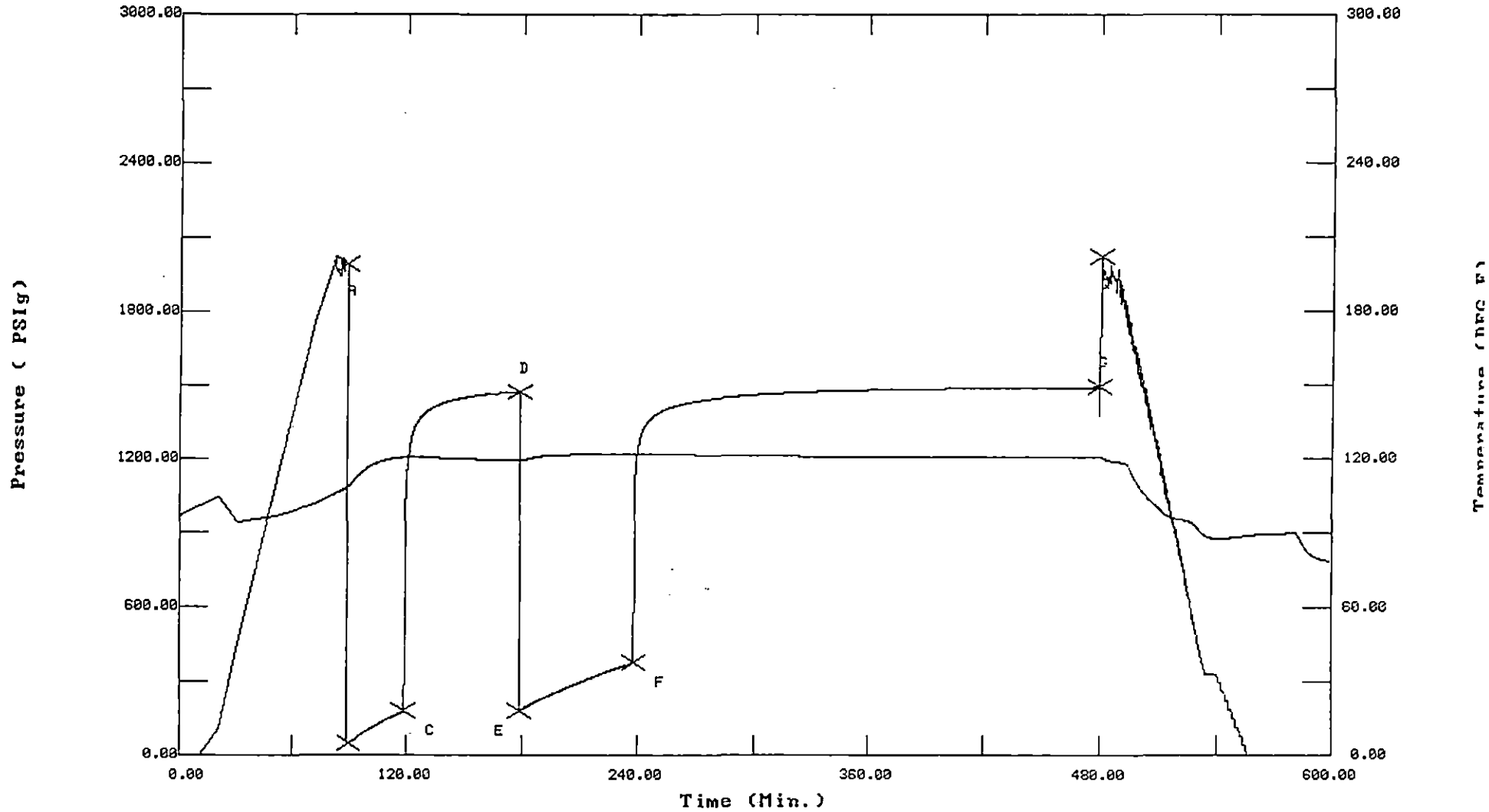
Test Successful: Y

TEST HISTORY

Tk#11829 DST#4 Donovan#1 Woolsey pet, corp.

Flag Points
t(Min.) P(PSig)

A:	0.00	1992.51
B:	0.00	45.25
C:	28.75	176.18
D:	59.75	1472.57
E:	0.00	175.62
F:	59.75	375.33
G:	241.25	1490.75
Q:	0.00	2020.53



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet, corp.

DATE 07/15/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11830 DST #5

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Lansing"G"

INTERVAL : 4474.00 To 4505.00 ft

TD 4505.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	3030			PF Fr. 0500 to 0530 hr
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0530 to 0630 hr
SF 60	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0630 to 0730 hr
FS 180	Depth(ft)	4502.0	4502.0	4485.0	0.0	0.0	FS Fr. 0730 to 1030 hr

	Field	1	2	3	4	
A. Init Hydro	2227.0	228.0	2278.0	0.0	0.0	T STARTED 0254 hr
B. First Flow	19.0	47.0	51.0	0.0	0.0	T ON BOTM 0458 hr
B1. Final Flow	60.0	64.0	71.0	0.0	0.0	T OPEN 0500 hr
C. In Shut-in	1653.0	1653.0	1651.0	0.0	0.0	T PULLED 1030 hr
D. Init Flow	61.0	96.0	91.0	0.0	0.0	T OUT 1145 hr
E. Final Flow	128.0	140.0	152.0	0.0	0.0	
F. Fl Shut-in	1675.0	1672.0	1671.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2201.0	2180.0	2138.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 215.00 ft of 0.00 ft in DC and 215.00 ft in DP
 35.00 ft of Slight gas cut mud 8%gas 92% mud
 120.00 ft of Mud cut water 56%water 44% mud
 60.00 ft of Slight mud cut water 99%water 1% mud
 60.00 ft of gas in pipe
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 152000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 3 mins.
 Initial Shut-in:
 Bled down for 15 mins. no blow back
 Final Flow:
 Fair blow slowly built to bottom of bucket in 15 mins.
 Final Shut-in:
 Bled down for 10 mins. no blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	44.00 S/L
W.L.	6.80 in3
F.C.	0.32 in
Mud Drop N	

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

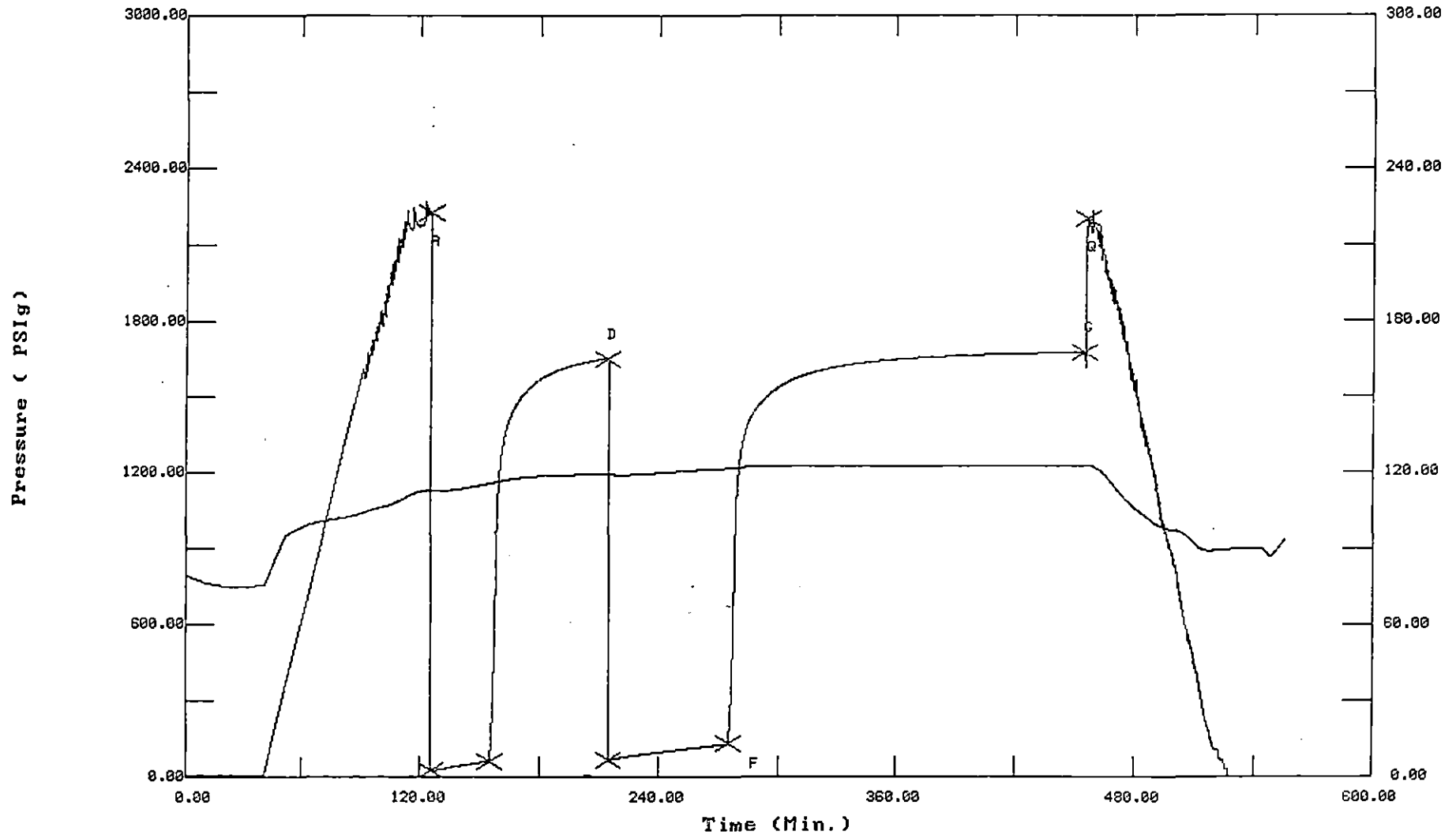
Test Successful: Y

TEST HISTORY

Tk#11830 DST#5 Donovan #1 Woolsey pet, corp.

Flag Points
t (Min.) P (PSig)

A:	0.00	2226.57
B:	0.00	19.37
C:	29.25	59.89
D:	59.75	1652.69
E:	0.00	61.19
F:	60.00	128.04
G:	180.25	1674.82
Q:	0.00	2201.16



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet,corp.

DATE 07/16/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11831

DST #6

LOCATION : 10-34s-13w

GR 1694.00 ft

FORMATION: Hertha

INTERVAL : 4624.00 To 4645.00 ft

TD 4645.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	3030			PF Fr. 0808 to 0838 hr
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0838 to 0938 hr
SF 60	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0938 to 1038 hr
FS 240	Depth(ft)	4642.0	4642.0	4631.0	0.0	0.0	FS Fr. 1038 to 1438 hr

	Field	1	2	3	4	
A. Init Hydro	2378.0	2384.0	2304.0	0.0	0.0	T STARTED 0630 hr
B. First Flow	122.0	124.0	89.0	0.0	0.0	T ON BOTM 0806 hr
B1. Final Flow	152.0	150.0	153.0	0.0	0.0	T OPEN 0808 hr
C. In Shut-in	1529.0	1534.0	1540.0	0.0	0.0	T PULLED 1438 hr
D. Init Flow	182.0	186.0	167.0	0.0	0.0	T OUT 1645 hr
E. Final Flow	304.0	300.0	319.0	0.0	0.0	
F. Fl Shut-in	1600.0	1612.0	1611.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2368.0	2370.0	2282.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 53000.00 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 0.00 ft
						D.P. Length 4596.00 ft

RECOVERY

Tot Fluid 702.00 ft of 0.00 ft in DC and 702.00 ft in DP
 522.00 ft of FREE OIL
 120.00 ft of Heavy gas cut oily mud 30%gas 10%oil 40%mud
 60.00 ft of Gas cut oily mud 28%gas 38%oil 34% mud
 4607.00 ft of Gas in pipe
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in
 30 secs. Gas to surface in 5 mins.
 Initial Shut-in:
 Bled down for 20 mins. bottom of
 bucket in 5 mins
 Final Flow:
 Strong blow Gauge gas
 Final Shut-in:
 Bled down for 60 mins. bottom of
 bucket in 4 1/2 mins.

SAMPLES: Caraway Analytical
 SENT TO: Liberal Kansas

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	44.00 S/L
W.L.	7.20 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Mikeal K. Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	none

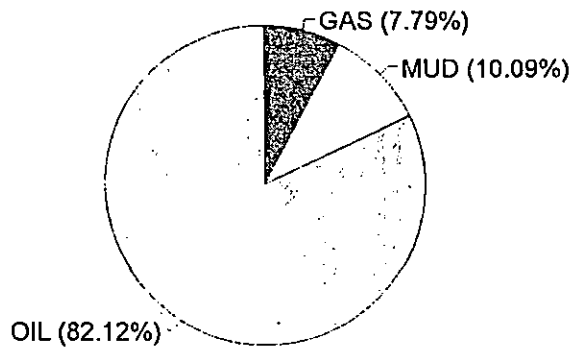
CALCULATED RECOVERY ANALYSIS

DST 6

TICKET 11831

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	522		0	100	522		0		0
PIPE 2	120	30	36	10	12		0	40	48
3	60	28	16.8	38	22.8		0	34	20.4
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1			0		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1			0		0		0		0
COLLARS 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	702		52.8		556.8		0		68.4

BBL OIL = 7.917696 * HRS OPEN = 1.5 = BBL/DAY 126.6831
 BBL WATER = 0 * = 0
 BBL MUD = 0.972648
 BBL GAS = 0.750816



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petroleum Corp
 WELL NAME: Donovan
 LOCATION : 10-34s-13w Barber co. KS
 INTERVAL : 4774.00 To 4830.00 ft

DATE 07/17/199
 KB 1702.00 ft TICKET NO: 11832 DST #7
 GR 1694.00 ft FORMATION: Miss.
 TD 4830.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1531 to 1601 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1601 to 1701 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec			SF Fr. 1701 to 1801 hr
FS 240 Depth(ft)	4827.0	4827.0	4816.0	0.0	0.0	FS Fr. 1801 to 2201 hr

	Field	1	2	3	4	
A. Init Hydro	2388.0	2384.0	2384.0	0.0	0.0	T STARTED 1319 hr
B. First Flow	30.0	44.0	43.0	0.0	0.0	T ON BOTM 1528 hr
B1. Final Flow	20.0	36.0	39.0	0.0	0.0	T OPEN 1531 hr
C. In Shut-in	202.0	203.0	225.0	0.0	0.0	T PULLED 2201 hr
D. Init Flow	30.0	37.0	38.0	0.0	0.0	T OUT 2345 hr
E. Final Flow	41.0	38.0	42.0	0.0	0.0	
F. Fl Shut-in	608.0	617.0	633.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2378.0	2374.0	2370.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 50.00 ft of 0.00 ft in DC and 50.00 ft in DP
 50.00 ft of drilling mud
 0.00 ft of with trace of oil
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

Unseated Str Wt 51000.00 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 0.00 ft
 D.P. Length 4762.00 ft

BLOW DESCRIPTION

Initial Flow:
 Weak blow built to 4" in water
 Initial Shut-in:
 Bled down for 3 mins, no blow back
 Final Flow:
 Fair blow built to 5" in water
 Final Shut-in:
 Bled down for 1 min. no blow back

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/c.
 Vis. 49.00 S/L
 W.L. 6.80 in3
 F.C. 0.32 in
 Mud Drop N

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

SAMPLES:
 SENT TO:

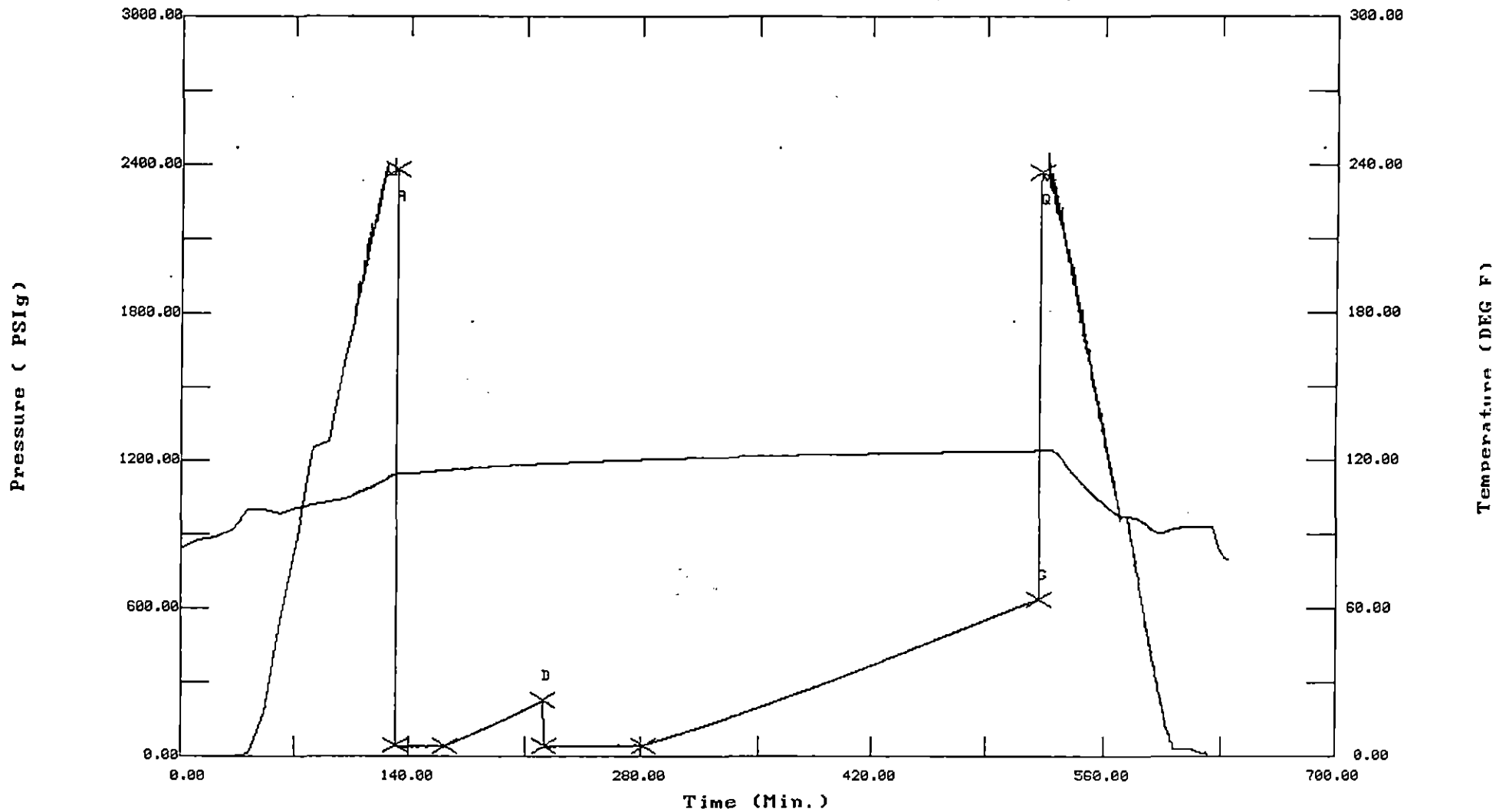
Test Successful: Y

TEST HISTORY

Tk#11832 DST#7 Donovan #1 Woolsey pet, corp

Flag Points

	t(Min.)	PK	PSIg)
A:	0.00		2384.33
B:	0.00		42.64
C:	30.00		38.82
D:	59.25		225.49
E:	0.00		37.98
F:	60.25		42.16
G:	240.00		633.41
Q:	0.00		2370.41



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petroleum Corp
 WELL NAME: Donovan
 LOCATION : Sec.10 Twp.34s Rge.13w
 INTERVAL : 4844.00 To 4890.00 ft

DATE 07/18/199

KB 1702.00 ft TICKET NO: 11833 DST #8
 GR 1694.00 ft FORMATION: Miss."B"
 TD 4890.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1233 to 1303 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1303 to 1403 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1403 to 1503 hr
FS 240 Depth(ft)	4887.0	4887.0	4859.0	0.0	0.0	FS Fr. 1503 to 1903 hr

	Field	1	2	3	4	
A. Init Hydro	2418.0	2428.0	2402.0	0.0	0.0	T STARTED 1012 hr
B. First Flow	51.0	65.0	30.0	0.0	0.0	T ON BOTM 1230 hr
B1. Final Flow	51.0	65.0	43.0	0.0	0.0	T OPEN 1233 hr
C. In Shut-in	608.0	628.0	632.0	0.0	0.0	T PULLED 1903 hr
D. Init Flow	71.0	71.0	33.0	0.0	0.0	T OUT 2030 hr
E. Final Flow	71.0	71.0	52.0	0.0	0.0	
F. Fl Shut-in	1784.0	1810.0	1793.0	0.0	0.0	
G. Final Hydro	2398.0	2351.0	2358.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----
 Tool Wt. 2100.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 65000.00 lbs
 Initial Str Wt 51000.00 lbs
 Unseated Str Wt 53000.00 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 0.00 ft
 D.P. Length 4823.00 ft

RECOVERY

Tot Fluid 56.00 ft of 0.00 ft in DC and 56.00 ft in DP
 56.00 ft of gas cut mud 20%gas 80%mud
 0.00 ft of Trace of oil
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:
 Fair blow - bottom of bucket in
 5 minutes
 Initial Shutin:
 Bled down for 10 minutes -
 no blow back
 Final Flow:
 Strong blow bottom of bucket in
 30 seconds
 Final Shutin:
 Bled down for 15 min - no blow back

SAMPLES:

SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/c
 Vis. 46.00 S/L
 W.L. 7.20 in3
 F.C. 0.32 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 124.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 n
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Darren Amerine
 Co. Rep. Wes Hansen
 Contr. Duke
 Rig # 2
 Unit # none
 Pump T. no

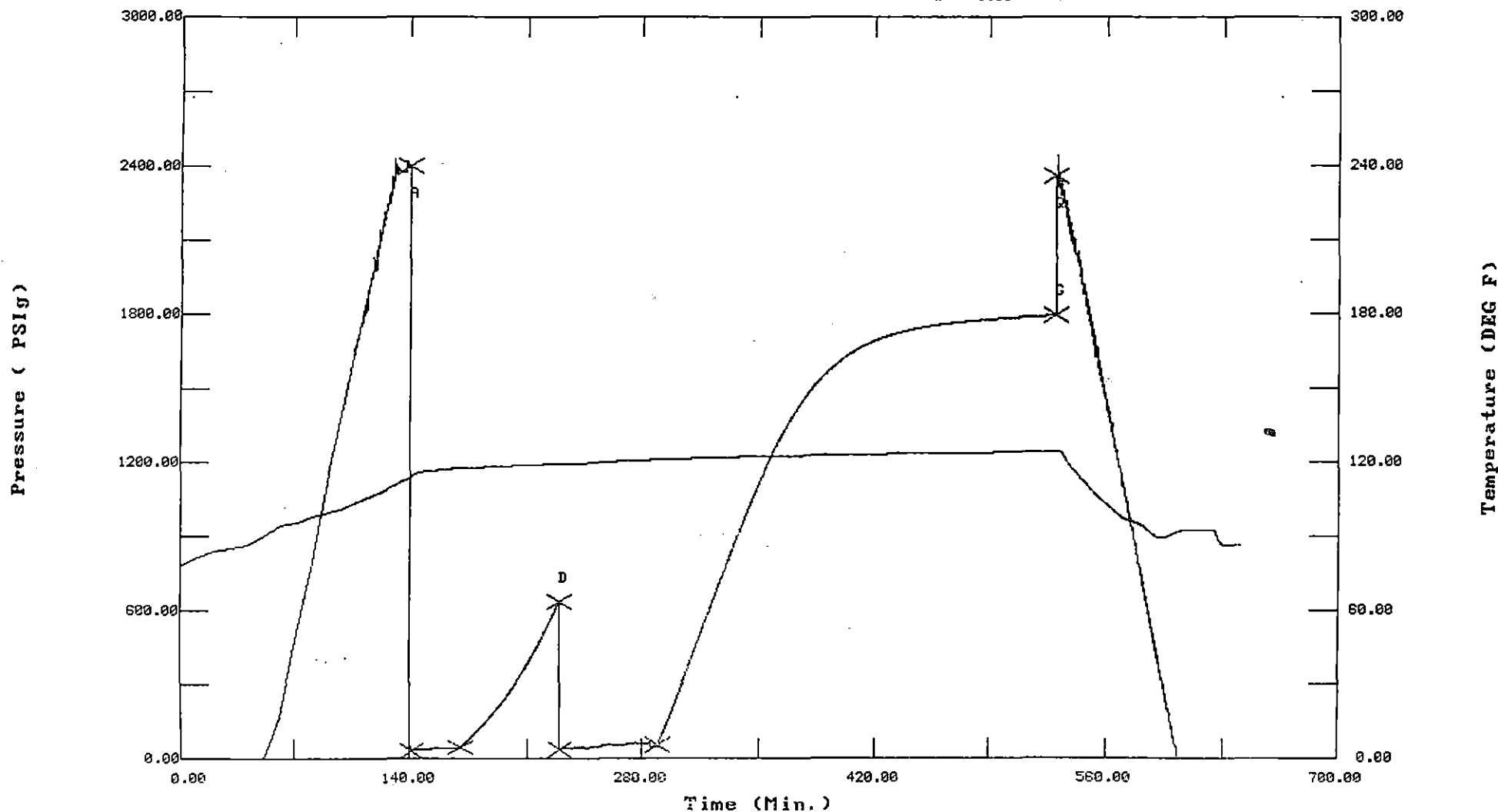
Test Successful: Y

TEST HISTORY

Tk#11833 DST#8 Donovan #1 Woolsey pet, corp.

Flag Points

	t (Min.)	P (PSIg)
A:	0.00	2401.91
B:	0.00	30.45
C:	29.00	42.66
D:	59.00	632.34
E:	0.00	33.19
F:	60.25	51.93
G:	239.50	1792.90
Q:	0.00	2357.57

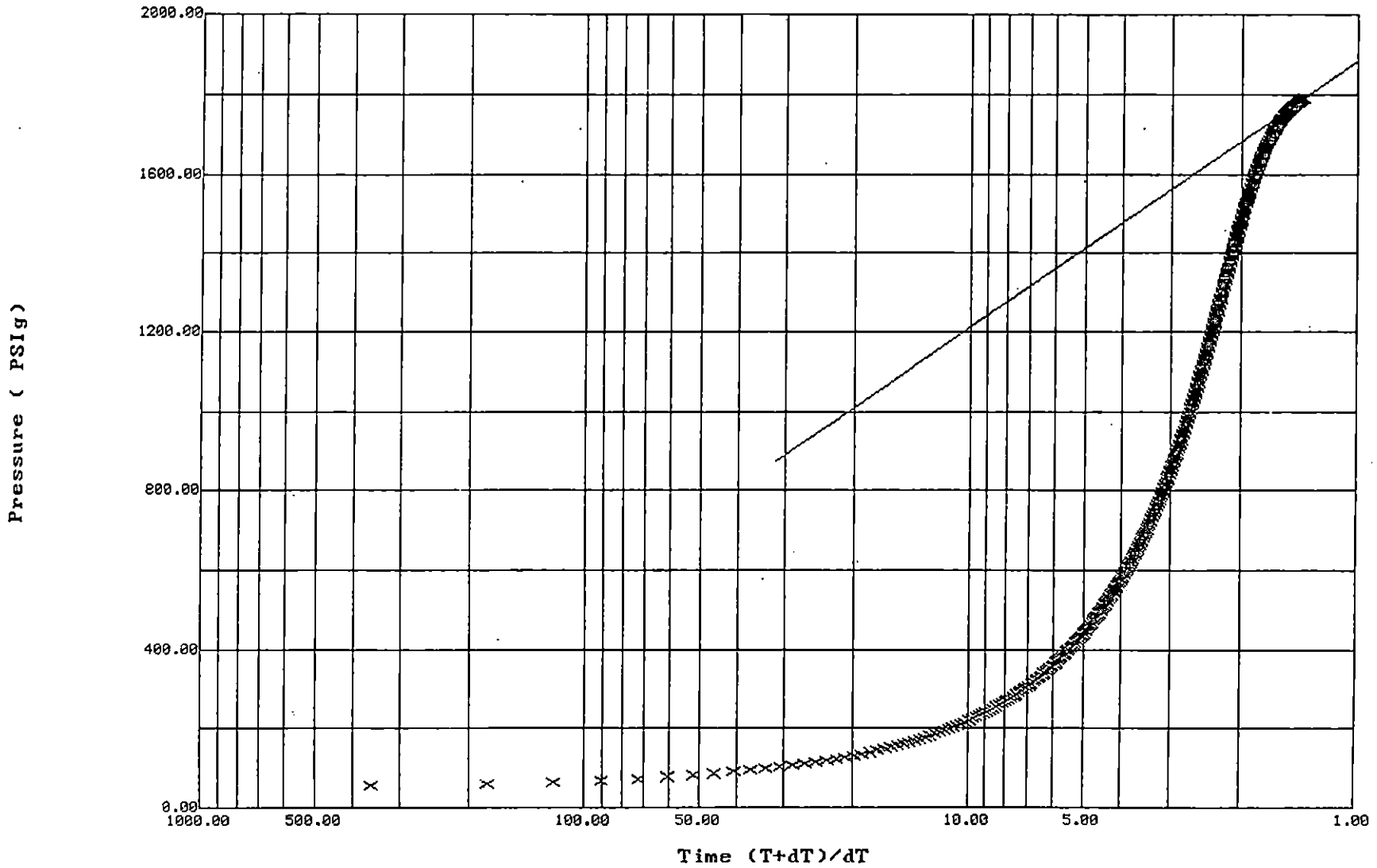


Horner Plot: shut-in #2

Tk#11833 DST#6 Donovan #1 Woolsey pet, corp.

Slope: 673.5080 PSig/cycle

Ext. Pressure: 1885.5850 PSig



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet, corp.

DATE 07/20/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11834

DST #9

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Misener

INTERVAL : 5092.00 To 5140.00 ft

TD 5140.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1002 to 1032 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1032 to 1132 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1132 to 1217 hr
FS 180 Depth(ft)	5137.0	5137.0	5108.0	0.0	0.0	FS Fr. 1217 to 1517 hr

	Field	1	2	3	4	
A. Init Hydro	2508.0	2505.0	2498.0	0.0	0.0	T STARTED 0702 hr
B. First Flow	51.0	61.0	27.0	0.0	0.0	T ON BOTM 0959 hr
B1. Final Flow	51.0	57.0	28.0	0.0	0.0	T OPEN 1002 hr
C. In Shut-in	81.0	89.0	66.0	0.0	0.0	T PULLED 1517 hr
D. Init Flow	41.0	52.0	23.0	0.0	0.0	T OUT 1700 hr
E. Final Flow	51.0	56.0	24.0	0.0	0.0	
F. Fl Shut-in	91.0	89.0	86.0	0.0	0.0	
G. Final Hydro	2428.0	2422.0	2400.0	0.0	0.0	

	Field	1	2	3	4	TOOL DATA-----
Inside/Outside	0	0				Tool Wt. 2100.00 lbs
						Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 55000.00 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 0.00 ft
						D.P. Length 5097.00 ft

RECOVERY

Tot Fluid	5.00 ft of	0.00 ft in DC and	5.00 ft in DP
5.00	ft of Drilling mud		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		
0.00	ft of		

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

BLOW DESCRIPTION

Initial Flow:
Weak surface blow 1/8" in water
Initial Shut-in:
Bled down for
Final Flow:
Dead blow
Final Shut-in:
No blow back
Final Shut-in:

SAMPLES:

SENT TO:

MUD DATA-----	
Mud Type	Chemical
Weight	9.00 lb/c
Vis.	49.00 S/L
W.L.	7.00 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Wes Hansen
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	none

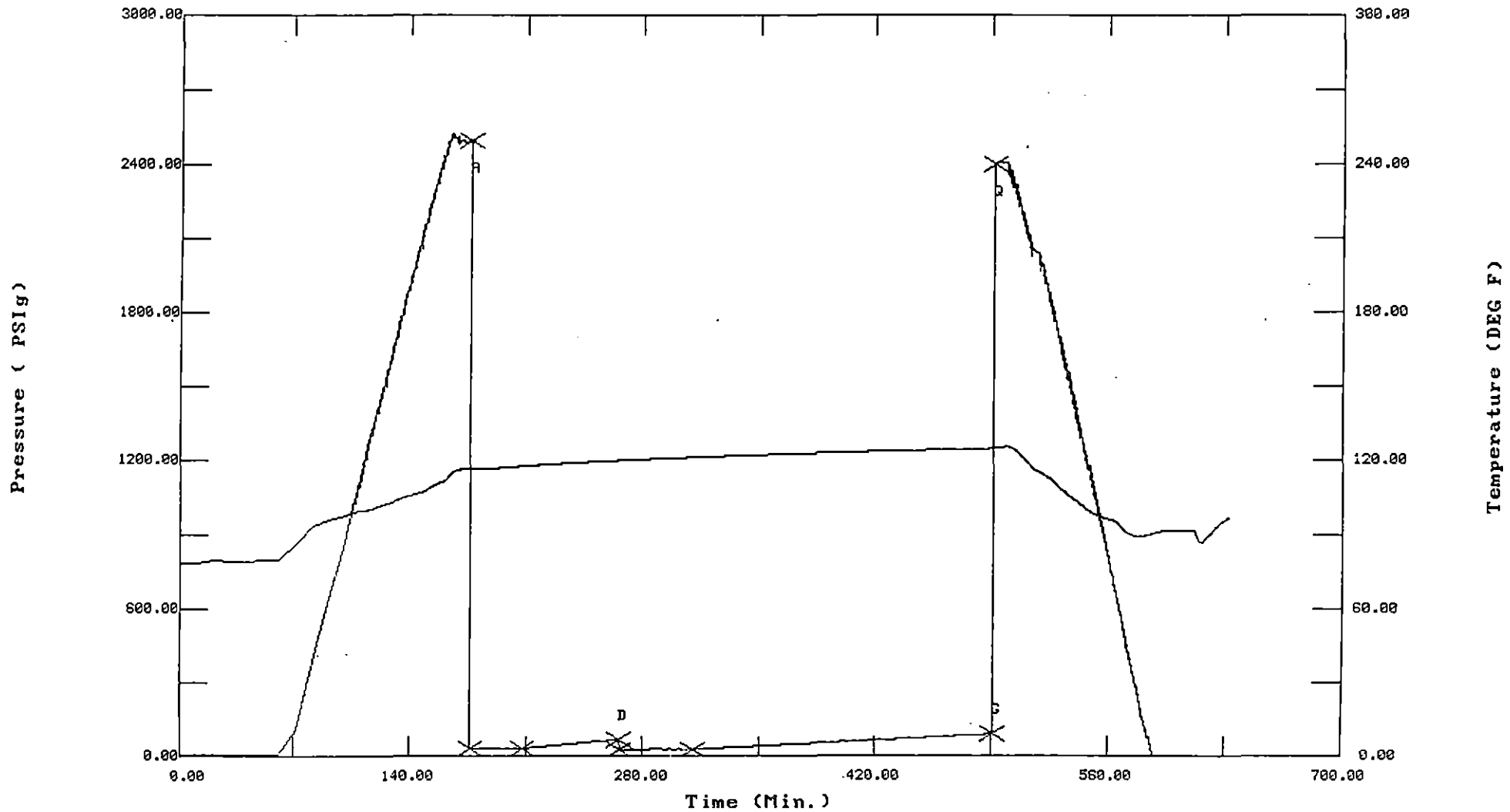
Test Successful: Y

TEST HISTORY

Tk#11834 DST#9 Donovan #1 Woolsey pet, corp

Flag Points

	t (Min.)	P (PSIg)
A:	0.00	2498.14
B:	0.00	26.62
C:	31.00	27.76
D:	58.50	65.71
E:	0.00	22.61
F:	43.75	23.86
G:	180.75	86.00
Q:	0.00	2399.49



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet,corp.

DATE 07/21/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11835 DST #10

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Simpson sd.

INTERVAL : 5228.00 To 5286.00 ft

TD 5286.00 ft.

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	3030			PF Fr. 1604 to 1634 hr
SI 60	Range(Psi)	4025.0	4025.0	4994.0	0.0	0.0	IS Fr. 1634 to 1734 hr
SF 60	Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1734 to 1834 hr
FS 240	Depth(ft)	5283.0	5283.0	5266.0	0.0	0.0	FS Fr. 1834 to 2234 hr

	Field	1	2	3	4	
A. Init Hydro	2711.0	2697.0	2583.0	0.0	0.0	T STARTED 1330 hr
B. First Flow	132.0	128.0	48.0	0.0	0.0	T ON BOTM 1602 hr
B1. Final Flow	132.0	131.0	81.0	0.0	0.0	T OPEN 1604 hr
C. In Shut-in	364.0	367.0	339.0	0.0	0.0	T PULLED 2234 hr
D. Init Flow	121.0	133.0	77.0	0.0	0.0	T OUT 0030 hr
E. Final Flow	132.0	127.0	82.0	0.0	0.0	
F. Fl Shut-in	324.0	133.0	304.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2610.0	2563.0	2476.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 57000.00 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 0.00 ft
						D.P. Length 5222.00 ft

RECOVERY

Tot Fluid 140.00 ft of 0.00 ft in DC and 140.00 ft in DP
 140.00 ft of Very slight gas cut mud 5%Gas 95%Mud
 2914.00 ft of gas in pipe
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:
 Fair blow bottom of bucket in 14 mins
 Initial Shut-in:
 Bled down for 3 mins, no blow back
 Final Flow:
 Strong blow, bottom of bucket in 30 secs
 Final Shut-in:
 Bled down for 5 mins. no blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	48.00 S/L
W.L.	8.00 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	130.00 F
Hole Condition	fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Wes Hansen
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	none

Test Successful: Y

TEST HISTORY

Tk#11835 DST#10 Donovan #1 Woolsey pet, corp.

Flag Points

t(Min.) P(PSig)

A:	0.00	2582.84
B:	0.00	48.45
C:	29.50	81.23
D:	60.00	338.95
E:	0.00	77.39
F:	59.00	82.18
G:	240.75	303.66
Q:	0.00	2475.89

