

9-18s-11w

15-009-25229

HOFFMAN CHRIS DBA C&K OIL COMPANY

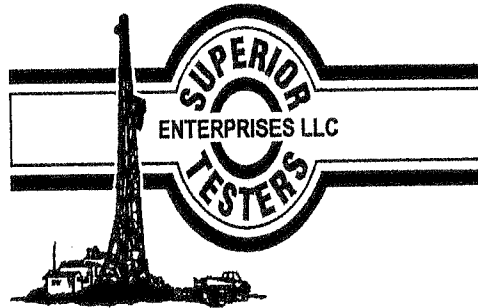
LIEBL #1

9-18S-11W BARTON,KS

DST # 1

LANSING B-D

1999.05.20



DRILL STEM TEST REPORT

Prepared For: **HOFFMAN CHRIS DBA C&K OIL COMPANY**

410 B ST PO BOX 531 CLAFLIN KANSAS
67525

ATTN: JIM MUSGROVE

9-18S-11W BARTON,KS

LIEBL #1

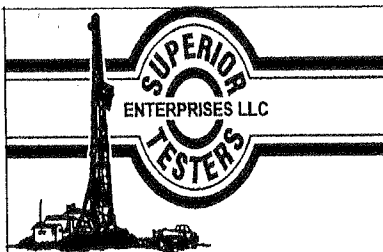
Start Date: 1999.05.20 @ 11:44:12

End Date: 1999.05.20 @ 18:15:42

Job Ticket #: 15316 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2008.07.16 @ 19:01:03



DRILL STEM TEST REPORT

HOFFMAN CHRIS DBA C&K OIL COMPANY
410 B ST PO BOX 531 CLAFILIN KANSAS 67525
ATTN: JIM MUSGROVE

LIEBL #1
9-18S-11W BARTON,KS
Job Ticket: 15316 DST#: 1
Test Start: 1999.05.20 @ 11:44:12

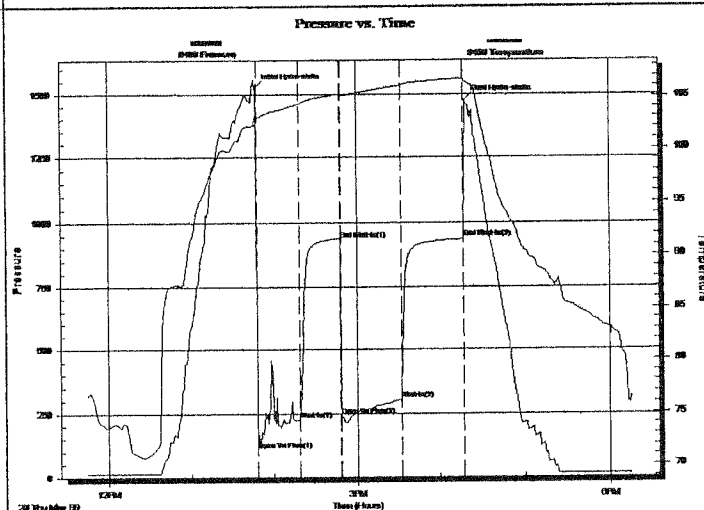
GENERAL INFORMATION:

Formation: LANSING B-D
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:47:42
Time Test Ended: 18:15:42
Interval: 3036.00 ft (KB) To 3129.00 ft (KB) (TVD)
Total Depth: 3129.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: JARED SCHECK
Unit No: 3320
Reference Elevations: 1798.00 ft (KB)
1790.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8400

Press@RunDepth: 305.58 psia @ ft (KB)
Start Date: 1999.05.20 End Date: 1999.05.20
Start Time: 11:45:12 End Time: 18:15:42
Capacity: 5000.00 psia
Last Calib.: 2008.07.06
Time On Btm: 1999.05.20 @ 13:47:12
Time Off Btm: 1999.05.20 @ 16:18:42

TEST COMMENT: INITIAL OPEN: STRONG BLOW BUILT BOTTOM OF BUCKET IN 3 MIN
INITIAL SHUT IN BLOW BACK BOTTOM OF BUCKET
FINAL OPEN: STRONG BLOW BOTTOM OF BUCKET IN 2 MIN
FINAL SHUT IN: BLOW BACK BOTTOM OF BUCKET



PRESSURE SUMMARY

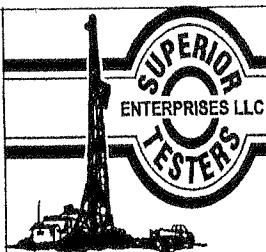
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1528.26	103.12	Initial Hydro-static
1	108.00	102.67	Open To Flow (1)
31	226.63	104.22	Shut-In (1)
61	933.90	105.24	End Shut-In (1)
62	241.69	105.08	Open To Flow (2)
106	305.58	106.02	Shut-In (2)
151	935.82	106.72	End Shut-In (2)
152	1476.89	106.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VERY SLIGHTLY OIL CUT MUD 2 OIL 98	10.30
180.00	MUD CUT OIL 90% OIL 10% MUD	0.89
240.00	STLY OIL CUT MUD 90 OIL 5 MUD 5 WATER	12.91
300.00	STLY MUD AND WATER CUT OIL 85 OIL 15	14.21
2240.00	GAS IN PIPE	31.42

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	90.00	2587.39



DRILL STEM TEST REPORT

TOOL DIAGRAM

HOFFMAN CHRIS DBA C&K OIL COMPANY

LIEBL #1

410 B ST PO BOX 531 CLAFLIN KANSAS 67525

9-18S-11W BARTON,KS

Job Ticket: 15316

DST#: 1

ATTN: JIM MUSGROVE

Test Start: 1999.05.20 @ 11:44:12

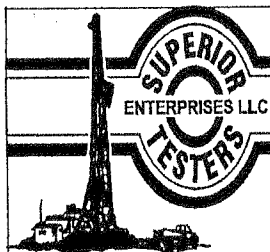
Tool Information

Drill Pipe:	Length: 2730.00 ft	Diameter: 3.80 inches	Volume: 38.29 bbl	Tool Weight:	10000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 290.00 ft	Diameter: 2.25 inches	Volume: 1.43 bbl	Weight to Pull Loose:	52000.00 lb
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3036.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	90.00 ft				
Tool Length:	110.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3021.00	
HYD S.I. Tool	5.00			3026.00	
Packer	5.00			3031.00	20.00 Bottom Of Top Packer
Packer	5.00			3036.00	
Anchor	90.00			3126.00	90.00 Bottom Packers & Anchor

Total Tool Length: 110.00



DRILL STEM TEST REPORT

FLUID SUMMARY

HOFFMAN CHRIS DBA C&K OIL COMPANY

LIEBL #1

410 B ST PO BOX 531 CLAFLIN KANSAS 67525

9-18S-11W BARTON, KS

Job Ticket: 15316

DST#: 1

ATTN: JIM MUSGROVE

Test Start: 1999.05.20 @ 11:44:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VERY SLIGHTLY OIL CUT MUD 2 OIL 98 MUD	0.295
180.00	MUD CUT OIL 90% OIL 10% MUD	0.885
240.00	STLY OIL CUT MUD 90 OIL 5 MUD5 WATER	2.911
300.00	STLY MUD AND WATER CUT OIL 85 O5M10W	4.208
2240.00	GAS IN PIPE	31.421

Total Length: 3020.00 ft Total Volume: 39.720 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

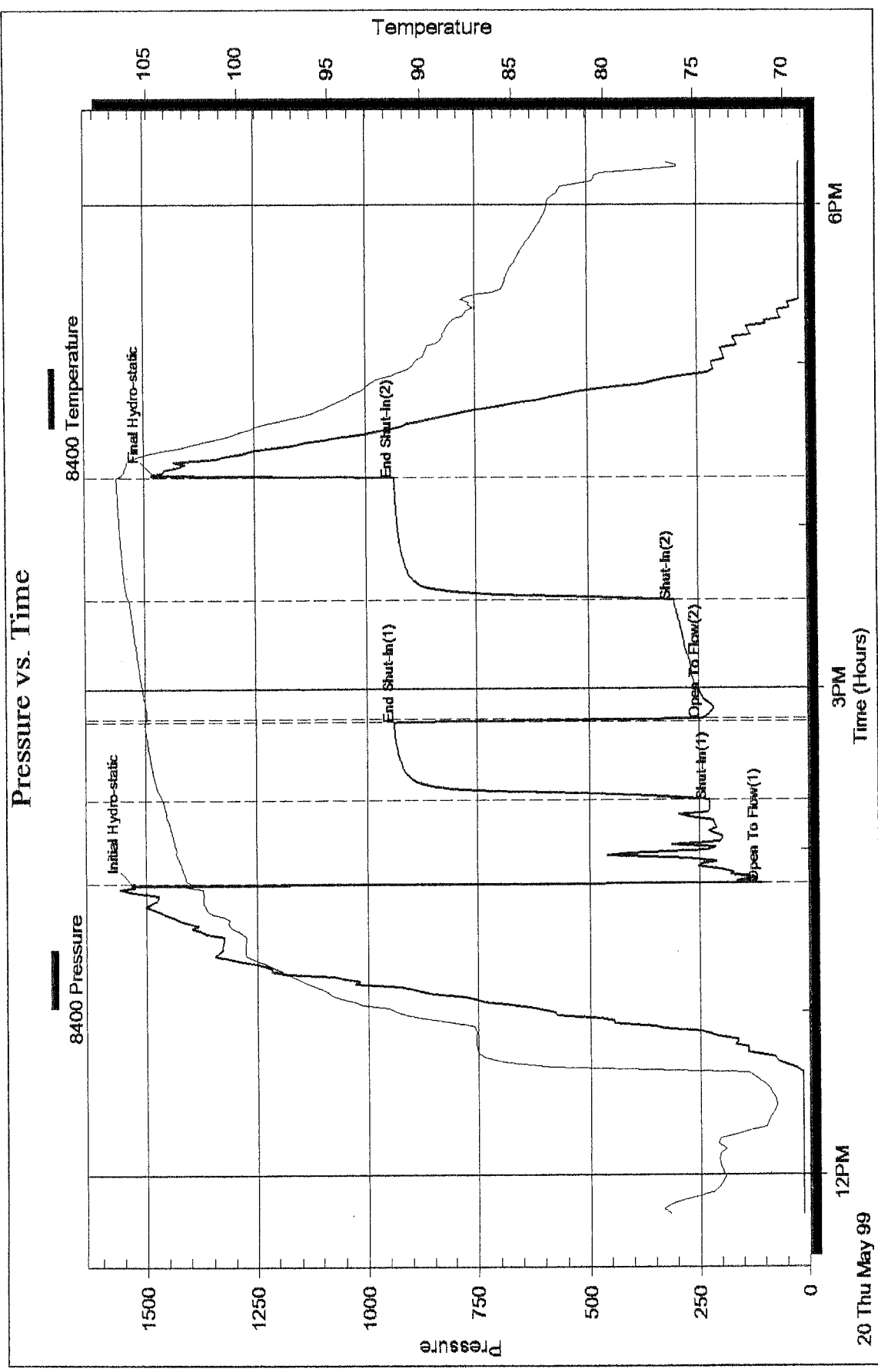
Recovery Comments: TOOL OPENED AT 6:08 WITH GAS TO SURFACE WITH GAS TO SURFACE IN 4 MINUTES AT 6:12

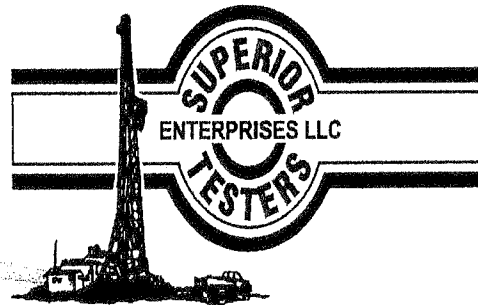
6:14 A.M.-18 INCHES OF WATER-1/4 INCH CHOKE 7.12 MCF

6:18 A.M.-24 INCHES OF WATER-1/4 INCH CHOKE 8.22 MCF

6:28 A.M.-36 INCHES OF WATER-1/4 INCH CHOKE 10.10MCF

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **HOFFMAN CHRIS DBA C&K OIL COMPANY**

410 B ST PO BOX 531 CLAFLIN KANSAS
67525

ATTN: JIM MUSGROVE

9-18S-11W BARTON,KS

LIEBL #1

Start Date: 2008.07.16 @ 09:27:05

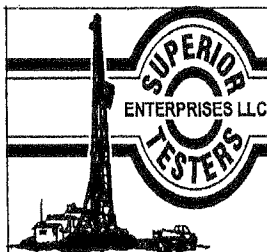
End Date: 2008.07.16 @ 15:23:20

Job Ticket #: 15317 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2008.07.16 @ 18:34:49

HOFFMAN CHRIS DBA C&K OIL COMPANY LIEBL #1 9-18S-11W BARTON,KS DST # 2 Arbuckle 2008.07.16



DRILL STEM TEST REPORT

HOFFMAN CHRIS DBA C&K OIL COMPANY

LIEBL #1

410 B ST PO BOX 531 CLAFLIN KANSAS 67525

9-18S-11W BARTON,KS

Job Ticket: 15317

DST#: 2

ATTN: JIM MUSGROVE

Test Start: 2008.07.16 @ 09:27:05

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:58:00

Time Test Ended: 15:23:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Frank Zamarripa

Unit No: 3315

Interval: **3271.00 ft (KB) To 3327.00 ft (KB) (TVD)**

Reference Elevations: 1798.00 ft (KB)

Total Depth: 3327.00 ft (KB) (TVD)

1790.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GRVCF: 8.00 ft

Serial #: 4143

Press@RunDepth: psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2008.07.16

End Date: 2008.07.16

Last Calib.: 1899.12.30

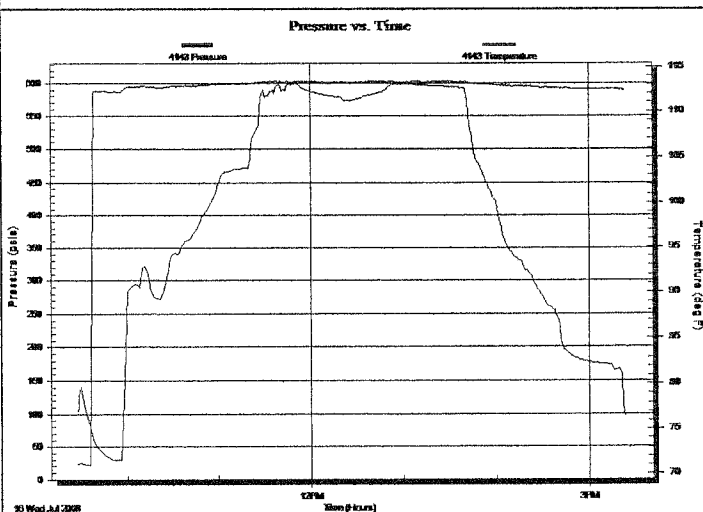
Start Time: 09:27:05

End Time: 15:23:20

Time On Btm:

Time Off Btm:

TEST COMMENT: First.....Fair blow to bottom of 5 gallon bucket in 9 minutes
Weak blow back
Second.....Fair blow to bottom of 5 gallon bucket in 7 minutes
Weak blow back



PRESSURE SUMMARY

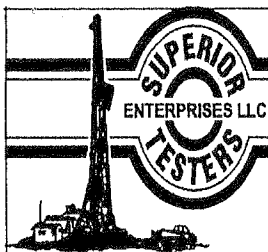
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
1536	112		INITIAL HYDROSTATIC
77			INITIAL FLOW
154			END FLOW
1060			INITIAL SHUT-IN
241			FINAL FLOW
289			END FINAL FLOW
1041			FINAL SHUT-IN
1441			FINAL HYDROSTATIC
REORDER RECORDED TIME & TEMP. BUT NO USEABLE PRESSURE - OPERATOR HAS BLACK KUSTER CHART			

Recovery

Length (ft)	Description	Volume (bbl)
635.00	GAS IN PIPE	6.47
85.00	CLEAN GASSY OIL 2 GAS 98 OIL	1.24
300.00	GASSY OIL CUT MUD 2 GAS 38 OIL (04.39)	
290.00	MUD CUT OIL 20 MUD 80 OIL	4.24

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

HOFFMAN CHRIS DBA C&K OIL COMPANY

LIEBL #1

410 B ST PO BOX 531 CLAFLIN KANSAS 67525

9-18S-11W BARTON,KS

Job Ticket: 15317

DST#: 2

ATTN: JIM MUSGROVE

Test Start: 2008.07.16 @ 09:27:05

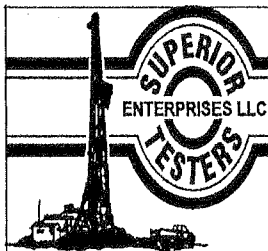
Tool Information

Drill Pipe:	Length: 2992.95 ft	Diameter: 3.88 inches	Volume: 43.77 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 290.05 ft	Diameter: 2.25 inches	Volume: 1.43 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	- bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3271.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.90 ft			
Tool Length:	77.90 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
P.O. Sub	1.00			3250.00	
C.O. Sub	1.00			3251.00	
SHUT-IN TOOL	5.00			3256.00	
HYDROLIC TOOL	5.00			3261.00	
Packer	5.00			3266.00	22.00 Bottom Of Top Packer
Packer	5.00			3271.00	
Perforations	0.00			3271.00	
C.O. Sub	0.75			3271.75	
Drill Pipe	31.40			3303.15	
C.O. Sub	0.75			3303.90	
Perforations	18.00			3321.90	
Bullnose	5.00			3326.90	55.90 Bottom Packers & Anchor

Total Tool Length: 77.90



DRILL STEM TEST REPORT

FLUID SUMMARY

HOFFMAN CHRIS DBA C&K OIL COMPANY

LIEBL #1

410 B ST PO BOX 531 CLAFLIN KANSAS 67525

9-18S-11W BARTON,KS

Job Ticket: 15317

DST#: 2

ATTN: JIM MUSGROVE

Test Start: 2008.07.16 @ 09:27:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
635.00	GAS IN PIPE	6.471
85.00	CLEAN GASSY OIL 2 GAS 98 OIL	1.243
300.00	GASSY OIL CUT MUD 2 GAS 38 OIL 60 MUI	4.387
290.00	MUD CUT OIL 20 MUD 80 OIL	4.241

Total Length: 1310.00 ft

Total Volume: 16.342 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

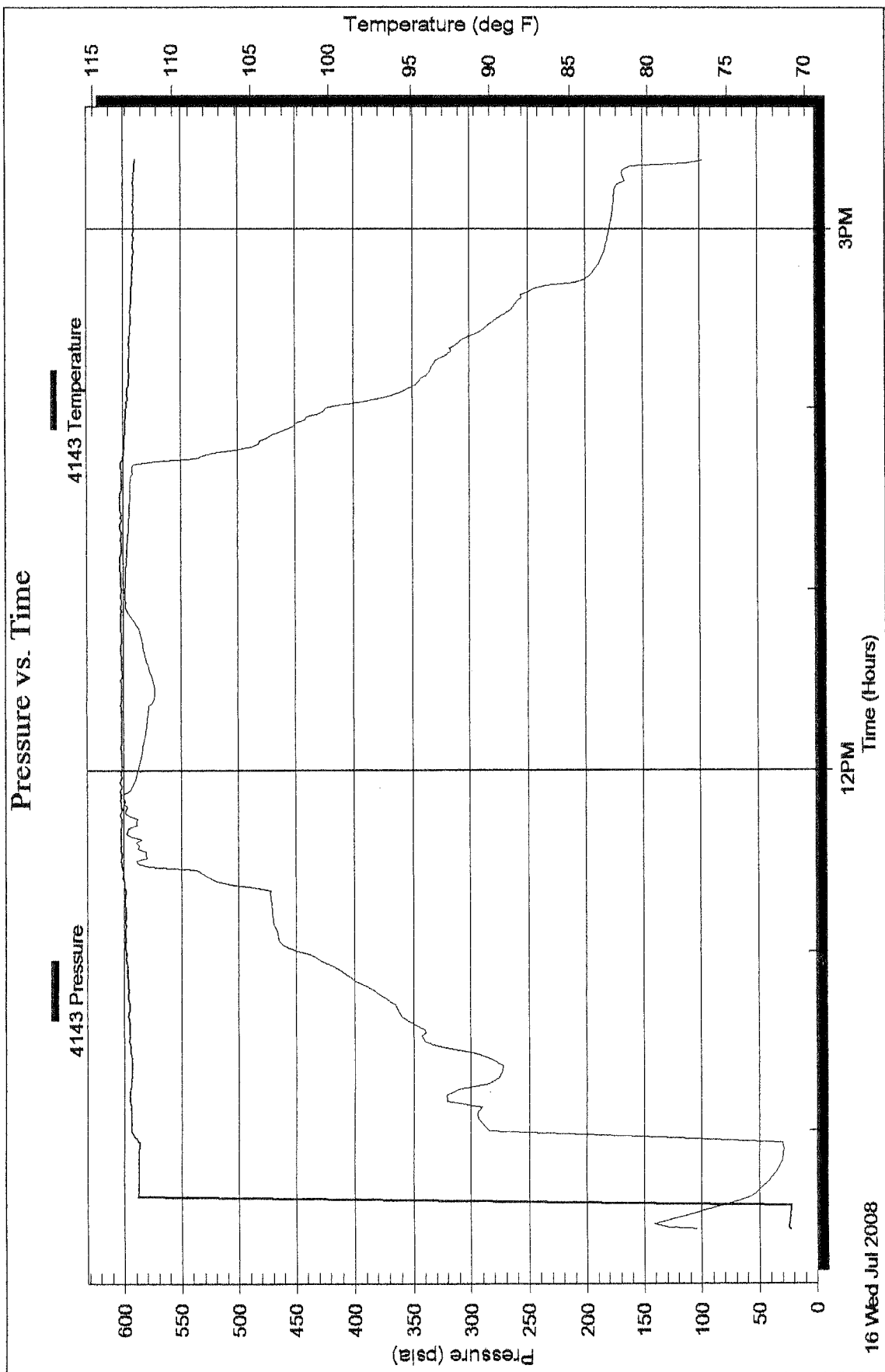
Recovery Comments:

DST Test Number: 2

9-18S-11W BARTON, KS

HOFFMAN CHRIS DBA C&K OIL COMPANY

Serial #: 4143



Printed: 2008.07.16 @ 18:34:50

Ref. No: 15317

Superior Testers Enterprises LLC