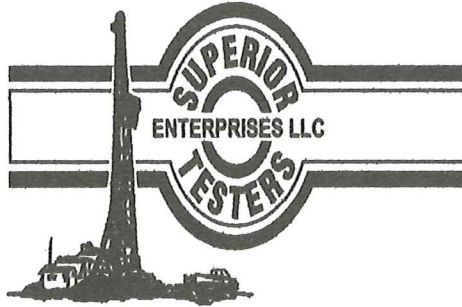




DRILL STEM TEST REPORT

Prepared For: **D&J Oil Company**

4720 Wicariott Oklahoma
73703

ATTN: Curtis Covey

Wicked Witch #1

6-20s-23w-Ness

Start Date: 2013.11.18 @ 08:27:00

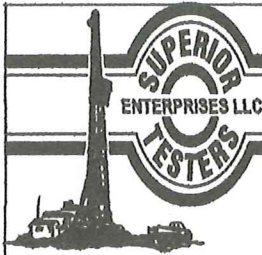
End Date: 2013.11.18 @ 15:15:30

Job Ticket #: 18460 DST #: 1

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

Printed: 2013.11.19 @ 03:30:57

D&J Oil Company 6-20s-23w-Ness Wicked Witch #1 DST # 1 Ft.Scott 2013.11.18



DRILL STEM TEST REPORT

D&J Oil Company
4720 Wicarriott Oklahoma
73703
ATTN: Curtis Covey

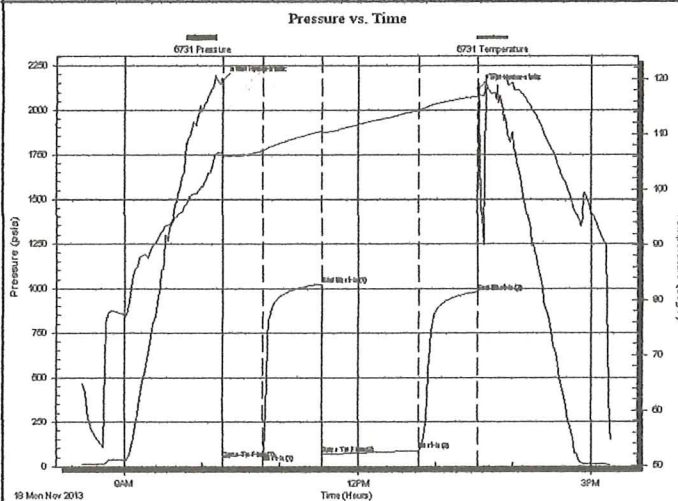
6-20s-23w-Ness
Wicked Witch #1
Job Ticket: 18460 DST#: 1
Test Start: 2013.11.18 @ 08:27:00

GENERAL INFORMATION:

Formation: **Ft.Scott**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 10:16:00
Time Test Ended: 15:15:30
Interval: **4300.00 ft (KB) To 4338.00 ft (KB) (TVD)**
Total Depth: **4338.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Dustin Ellis**
Unit No: **3315-Great Bend-146**
Reference Elevations: **2314.00 ft (KB)**
2309.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: **6731** Inside
Press@RunDepth: **89.94 psia @ 4334.00 ft (KB)**
Start Date: **2013.11.18** End Date: **2013.11.18**
Start Time: **08:27:00** End Time: **15:15:30**
Capacity: **5000.00 psia**
Last Calib.: **2013.11.19**
Time On Btm: **2013.11.18 @ 10:15:30**
Time Off Btm: **2013.11.18 @ 13:33:00**

TEST COMMENT: 1st Open 30 minutes Weak blow built to 2.5 inches into a 5 gallon bucket of water.
1st Shut in 45 minutes No blow back.
2nd Open 60 minutes Weak blow built to 3 inches into a 5 gallon bucket of water.
2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

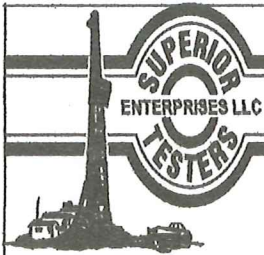
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2167.75	106.64	Initial Hydro-static
1	42.28	105.39	Open To Flow (1)
31	68.20	107.01	Shut-In(1)
77	1023.52	110.53	End Shut-In(1)
77	70.72	110.33	Open To Flow (2)
152	89.94	114.44	Shut-In(2)
197	980.07	116.92	End Shut-In(2)
198	2118.99	117.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud 100%	0.99

Gas Rates

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

D&J Oil Company

6-20s-23w-Ness

4720 Wicarriott Oklahoma
73703

Wicked Witch #1

Job Ticket: 18460

DST#: 1

ATTN: Curtis Covey

Test Start: 2013.11.18 @ 08:27:00

GENERAL INFORMATION:

Formation: Ft.Scott

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:16:00

Time Test Ended: 15:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-146

Interval: 4300.00 ft (KB) To 4338.00 ft (KB) (TVD)

Reference Elevations: 2314.00 ft (KB)

Total Depth: 4338.00 ft (KB) (TVD)

2309.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8159

Outside

Press@RunDepth: 982.99 psia @ 4335.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.11.18

End Date:

2013.11.18

Last Calib.: 2013.11.19

Start Time: 08:27:00

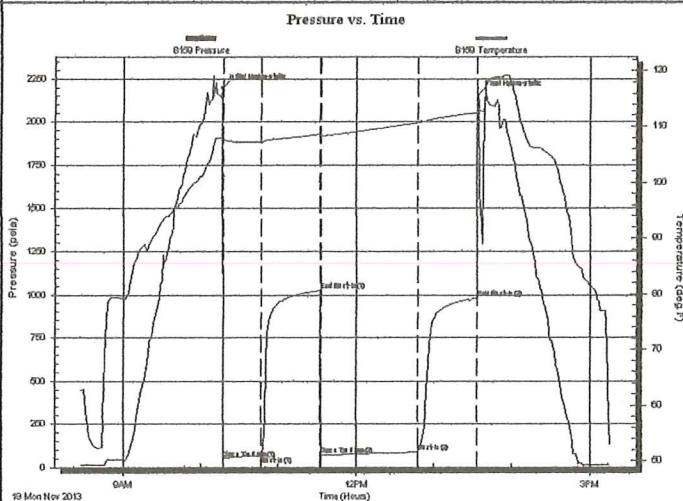
End Time:

15:16:00

Time On Btm: 2013.11.18 @ 10:16:30

Time Off Btm: 2013.11.18 @ 13:34:00

TEST COMMENT: 1st Open 30 minutes Weak blow built to 2.5 inches into a 5 gallon bucket of water.
1st Shut in 45 minutes No blow back.
2nd Open 60 minutes Weak blow built to 3 inches into a 5 gallon bucket of water.
2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

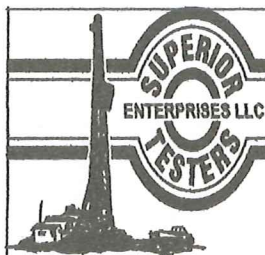
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2199.33	108.08	Initial Hydro-static
1	51.85	107.58	Open To Flow (1)
31	67.96	107.24	Shut-In(1)
76	1024.50	108.60	End Shut-In(1)
77	71.93	108.21	Open To Flow (2)
151	88.81	110.63	Shut-In(2)
197	982.99	112.47	End Shut-In(2)
198	2155.78	112.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud 100%	0.99

Gas Rates

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

TOOL DIAGRAM

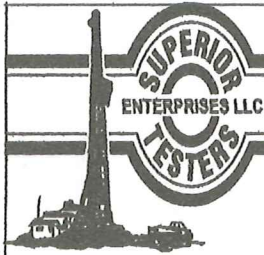
D&J Oil Company
4720 Wicarriott Oklahoma
73703
ATTN: Curtis Covey

6-20s-23w-Ness
Wicked Witch #1
Job Ticket: 18460 DST#: 1
Test Start: 2013.11.18 @ 08:27:00

Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 29.53 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 63000.00 lb
		Total Volume:	60.07 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.53 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4300.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4277.00	
Hydrolic Tool	5.00			4282.00	
Jars	6.00			4288.00	
Safety Joint	2.00			4290.00	
Packer	5.00			4295.00	28.00 Bottom Of Top Packer
Packer	5.00			4300.00	
Anchor	33.00			4333.00	
Recorder	1.00	6731	Inside	4334.00	
Recorder	1.00	8159	Outside	4335.00	
Bullnose	3.00			4338.00	38.00 Bottom Packers & Anchor
Total Tool Length:		66.00			



DRILL STEM TEST REPORT

FLUID SUMMARY

D&J Oil Company

6-20s-23w-Ness

4720 Wicarriott Oklahoma
73703

Wicked Witch #1

Job Ticket: 18460

DST#: 1

ATTN: Curtis Covey

Test Start: 2013.11.18 @ 08:27:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 8.00 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud 100%	0.993

Total Length: 90.00 ft

Total Volume: 0.993 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6731

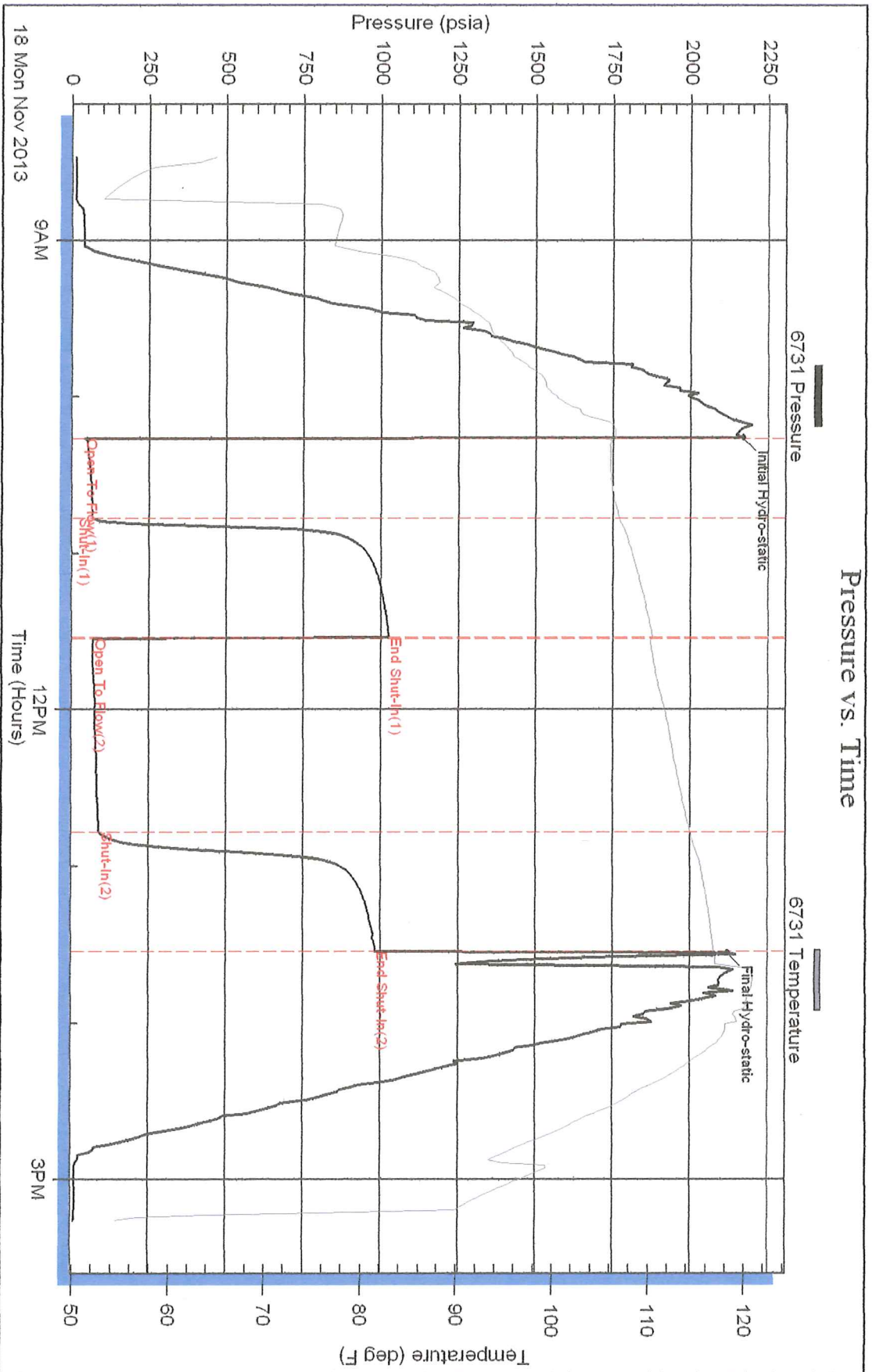
Inside

D&J Oil Company

Wicked Witch #1

DST Test Number: 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 18460

Printed: 2013.11.19 @ 03:30:58

Serial #: 8159

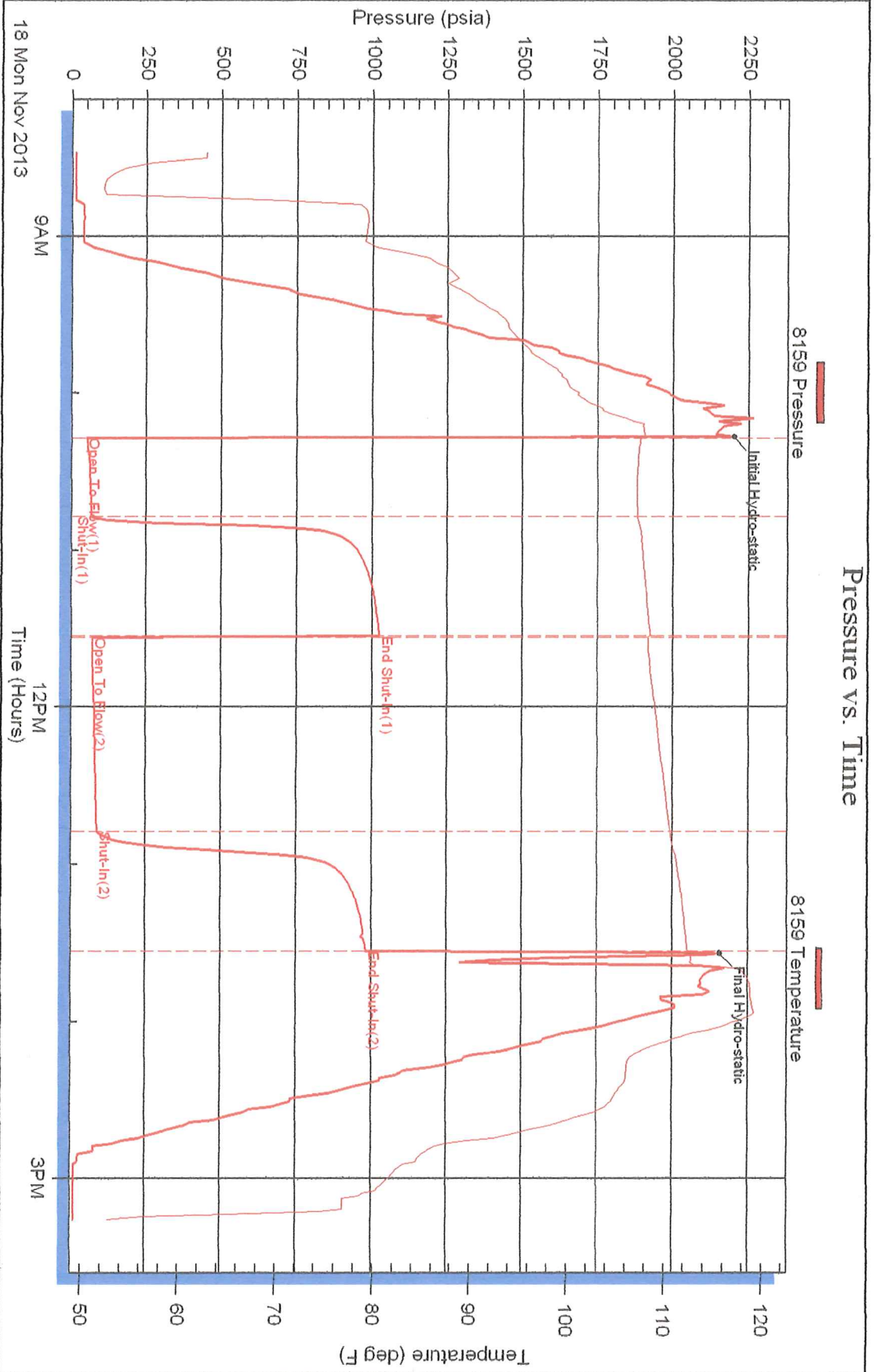
Outside

D&J Oil Company

Wicked Witch #1

DST Test Number: 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 18460

Printed: 2013.11.19 @ 03:30:58

Superior Testers Enterprises L.L.C. 620-639-4225
P.O. Box 138, Great Bend, Kansas 67530 Dustin
(800) 792-6902

(800) 792-6902

Initial Opening	42	P.S.I. to	68	P.S.I.	from	10 : 15p	m to	10 : 45p	m	30	minutes
Initial Shut-in	1023	P.S.I.			from	10 : 45p	m to	11 : 30p	m	45	minutes
Final Opening	70	P.S.I. to	89	P.S.I.	from	11 : 30p	m to	12 : 30a	m	60	minutes
Final Shut-in	980	P.S.I.			from	12 : 30a	m to	1 : 30a	m	60	minutes

[illegible]

Total Feet Recovered 90 Recovery Chlorides Rw. ohms @ Degrees
Gravity of oil Corrected Gas to Surface in minutes into the
Max. Gas Gauged MCF/day See Gas Flow Report Was a gas sample taken
Comments Then KS!

Extra Equipment-Jars <u>yes</u>	Safety Joint <u>yes</u>	Circulating Sub <u>none</u>	Straddle <u>none</u>
Electronic Recorder No. <u>6731</u>	Depth <u>7334</u>	Extra Packer (3rd) <u>none</u>	Hook Wall <u>none</u>
Bottom Recorder No. <u>8159</u>	Depth <u>4335</u>	Extra Packer (4th) <u>none</u>	Sampler <u>none</u>
Tool Operator <u>Dustin Ellis</u>	Approved By <u>WFF</u>		

Ticket No. 18460