



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1065742

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Pickrell Drilling Company, Inc.
Well Name	Pilot Knob 'A' 1
Doc ID	1065742

Tops

Name	Top	Datum
Heebner	3739	-1533
Lansing	3921	-1915
Stark	4199	-2193
B/Kansas City	4259	-2253
Conglomerate	4379	-2373
Mississippi	4391	-2385
Viola	4451	-2445
Simpson Shale	4533	-2527
Simpson Sand	4544	-2538
Arbuckle	4637	-2637

ALLIED CEMENTING CO., LLC. 037400

Federal Tax I.D.# 20-5975804

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

SERVICE POINT
Great Bend, KS

DATE <u>10-15-11</u>	SEC <u>21</u>	TWP <u>27</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>1:20 AM</u>	JOB FINISH <u>7:00 PM</u>
LEASE <u>Plot Kings</u>	WELL # <u>A-1</u>	LOCATION <u>Byers, KS 7 1/2 south</u>	COUNTY <u>JEFF</u>	STATE <u>KS.</u>			
OLD OR NEW (Circle one) <u>NEWT</u> <u>1/4 NORTH West into</u>							

CONTRACTOR Pickrell
TYPE OF JOB Rotary Drilling
HOLE SIZE 7 7/8 T.D. 4700
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERF'S.
DISPLACEMENT

OWNER Pickrell Drilling
CEMENT AMOUNT ORDERED 220 SK 60/40Puz
4% gel 1/4 flo seal
COMMON 132 @ 16.25 2145.00
POZMIX 88 @ 8.50 748.00
GEL 7 @ 21.25 148.75
CHLORIDE @
ASC @
4% seal 55 @ 2.70 148.50
HANDLING 229 @ 2.25 515.25
MILEAGE 229 x 12 x .11 302.25
TOTAL 4007.25

EQUIPMENT

PUMP TRUCK CEMENTER Greg R / Wayne
398 HELPER SYDNE K
BULK TRUCK
371 DRIVER Jimmy
BULK TRUCK
DRIVER

REMARKS

50 SKS @ 4638 ft.
50 SKS @ 930 ft.
50 SKS @ 420 ft.
20 SKS @ 60 ft.
30 SKS - Bathole
20 SKS in mousehole

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE 1250.00
EXTRA FOOTAGE @
MILEAGE HVM 24 @ 7.00 168.00
MANIFOLD @
HVM 24 @ 4.00 96.00

CHARGE TO: Pickrell Drilling
STREET _____
CITY _____ STATE _____ ZIP _____

TOTAL 1514.00

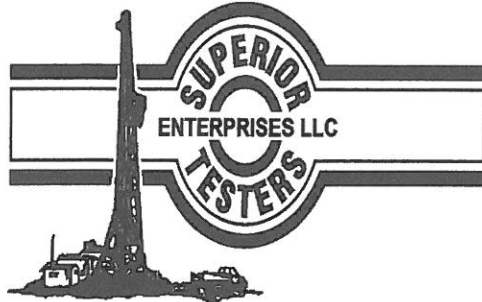
PLUG & FLOAT EQUIPMENT

@ _____
@ _____
@ _____
@ _____
@ _____
TOTAL _____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME * Mike Kern
SIGNATURE * Mike Kern
Thank You!

SALES TAX (If Any) _____
TOTAL CHARGES 5.521.78
70% 2070 1104.35
DISCOUNT _____ IF PAID IN 30 DAYS
4.417.43



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Company Incorporated**

100 South Main
Suite 505
Wichita, Kansas 67202+3738

ATTN: Roger Fisha

21/27S/14W/Pratt

Pilot Knob A #1

Start Date: 2011.10.10 @ 04:59:00

End Date: 2011.10.10 @ 14:50:00

Job Ticket #: 18782 DST #: 1

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

Printed: 2011.10.10 @ 13:24:50

Pickrell Drilling Company Incorporated

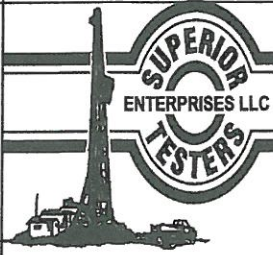
Pilot Knob A #1

21/27S/14W/Pratt

DST # 1

Kansas City Zone B

2011.10.10



DRILL STEM TEST REPORT

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisha

21/27S/14W/Pratt

Job Ticket: 18782 **DST#: 1**

Test Start: 2011.10.10 @ 04:59:00

GENERAL INFORMATION:

Formation: **Kansas City Zone B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:44:00

Time Test Ended: 14:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Pratt/16

Interval: **3952.00 ft (KB) To 3970.00 ft (KB) (TVD)**

Total Depth: 3970.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1330.00 ft (KB)

1320.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6748

Outside

Press@RunDepth: 977.78 psig @ 3967.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.10.10 End Date: 2011.10.10

Last Calib.: 2011.10.10

Start Time: 04:59:00 End Time: 14:50:00

Time On Btm: 2011.10.10 @ 06:40:00

Time Off Btm: 2011.10.10 @ 11:17:30

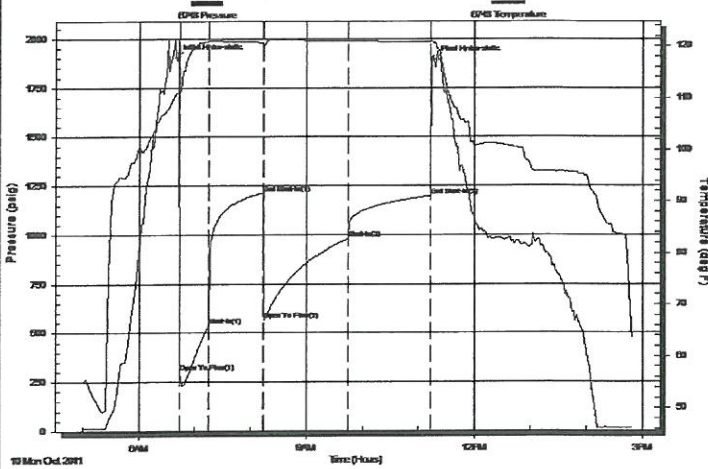
TEST COMMENT: 1ST Open 30 Mintues/Strong blow /Blow built to bottom of bucket in 30 seconds/Gas to surface in 5 minutes

1ST Shut In 60 Mintues/Blow back built to bottom of bucket

2ND Open 90 Mintues/Strong blow /Blow built to bottom of bucket in 1 minute

2ND Shut In 90 Mintues/Blow back built to bottom of bucket

Pressure vs. Time



PRESSURE SUMMARY

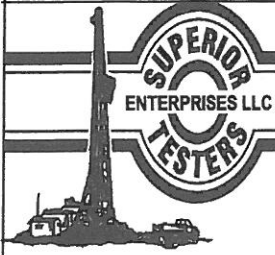
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1904.01	110.77	Initial Hydro-static
4	299.74	110.84	Open To Flow (1)
35	534.34	120.74	Shut-In(1)
94	1214.29	120.69	End Shut-In(1)
95	566.62	119.99	Open To Flow (2)
185	977.78	121.00	Shut-In(2)
274	1198.42	120.74	End Shut-In(2)
278	1890.14	120.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	Gassy oil	7.61
0.00	Gas 15% Oil 85%	0.00
180.00	Gassy oil cut w atery mud	2.63
0.00	Gas 5% Oil 10% Water 20% Mud 65%	0.00
1080.00	Gassy w ater	15.79
0.00	Gas 10% Water 90%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	4.84	77.79
Last Gas Rate	0.13	5.35	2.05
Max. Gas Rate	0.13	8.80	3.35



DRILL STEM TEST REPORT

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisha

21/27S/14W/Pratt

Job Ticket: 18782 **DST#: 1**
Test Start: 2011.10.10 @ 04:59:00

GENERAL INFORMATION:

Formation: **Kansas City Zone B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:44:00

Time Test Ended: 14:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney

Unit No: 3325 Pratt/16

Interval: **3952.00 ft (KB) To 3970.00 ft (KB) (TVD)**

Total Depth: 3970.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1330.00 ft (KB)

1320.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6749

Inside

Press@RunDepth: 1197.00 psig @ 3966.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.10.10 End Date: 2011.10.10

Last Calib.: 2011.10.10

Start Time: 04:59:00 End Time: 14:50:30

Time On Btm: 2011.10.10 @ 06:40:00

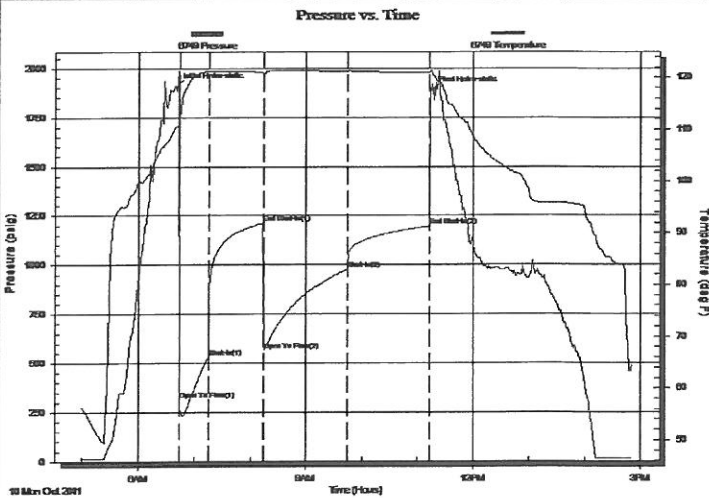
Time Off Btm: 2011.10.10 @ 11:15:00

TEST COMMENT: 1ST Open 30 Mintues/Strong blow /Blow built to bottom of bucket in 30 seconds/Gas to surface in 5 minutes

1ST Shut In 60 Mintues/Blow back built to bottom of bucket

2ND Open 90 Mintues/Strong blow /Blow built to bottom of bucket in 1 minute

2ND Shut In 90 Mintues/Blow back built to bottom of bucket



PRESSURE SUMMARY

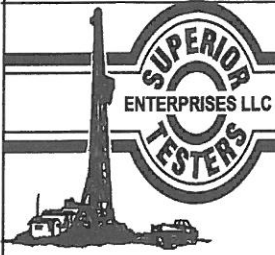
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1905.01	110.50	Initial Hydro-static
4	313.21	110.74	Open To Flow (1)
35	531.78	121.16	Shut-In(1)
94	1212.22	121.04	End Shut-In(1)
95	566.55	120.48	Open To Flow (2)
185	976.18	121.25	Shut-In(2)
274	1197.00	120.94	End Shut-In(2)
275	1887.05	121.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	Gassy oil	7.61
0.00	Gas 15% Oil 85%	0.00
180.00	Gassy oil cut w atery mud	2.63
0.00	Gas 5% Oil 10% Water 20% Mud 65%	0.00
1080.00	Gassy w ater	15.79
0.00	Gas 10% Water 90%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	4.84	77.79
Last Gas Rate	0.13	5.35	2.05
Max. Gas Rate	0.13	8.80	3.35



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisha

21/27S/14W/Pratt

Job Ticket: 18782

DST#: 1

Test Start: 2011.10.10 @ 04:59:00

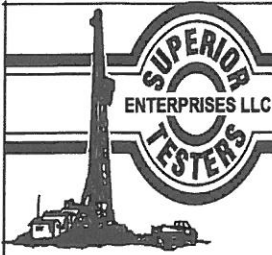
Tool Information

Drill Pipe:	Length: 3832.00 ft	Diameter: 3.88 inches	Volume: 56.04 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3952.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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			3937.00	
HYD S.I. Tool	5.00			3942.00	
Packer	5.00			3947.00	20.00 Bottom Of Top Packer
Packer	5.00			3952.00	
Anchor	13.00			3965.00	
Recorder	1.00	6749	Inside	3966.00	
Recorder	1.00	6748	Outside	3967.00	
Bull plug	3.00			3970.00	18.00 Bottom Packers & Anchor

Total Tool Length: 38.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisha

21/27S/14W/Pratt
Job Ticket: 18782 DST#: 1
Test Start: 2011.10.10 @ 04:59:00

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

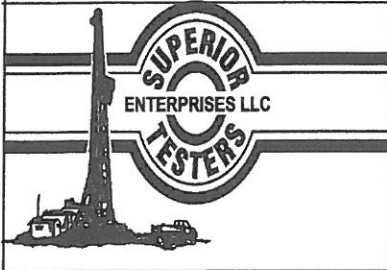
Length ft	Description	Volume bbl
600.00	Gassy oil	7.610
0.00	Gas 15% Oil 85%	0.000
180.00	Gassy oil cut watery mud	2.632
0.00	Gas 5% Oil 10% Water 20% Mud 65%	0.000
1080.00	Gassy water	15.794
0.00	Gas 10% Water 90%	0.000
120.00	Mud with show of oil	1.755
0.00	Mud 98% 2%	0.000
0.00	Recovery Chlorides 110000 ppm	0.000
0.00	Gravity of oil corrected 32	0.000

Total Length: 1980.00 ft Total Volume: 27.791 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
 Suite 505
 Wichita, Kansas 67202+3738
 ATTN: Roger Fisha

21/27S/14W/Pratt

Job Ticket: 18782

DST#: 1

Test Start: 2011.10.10 @ 04:59:00

Gas Rates Information

Temperature: 59 (deg F)
 Relative Density: 0.65
 Z Factor: 0.8

Gas Rates Table

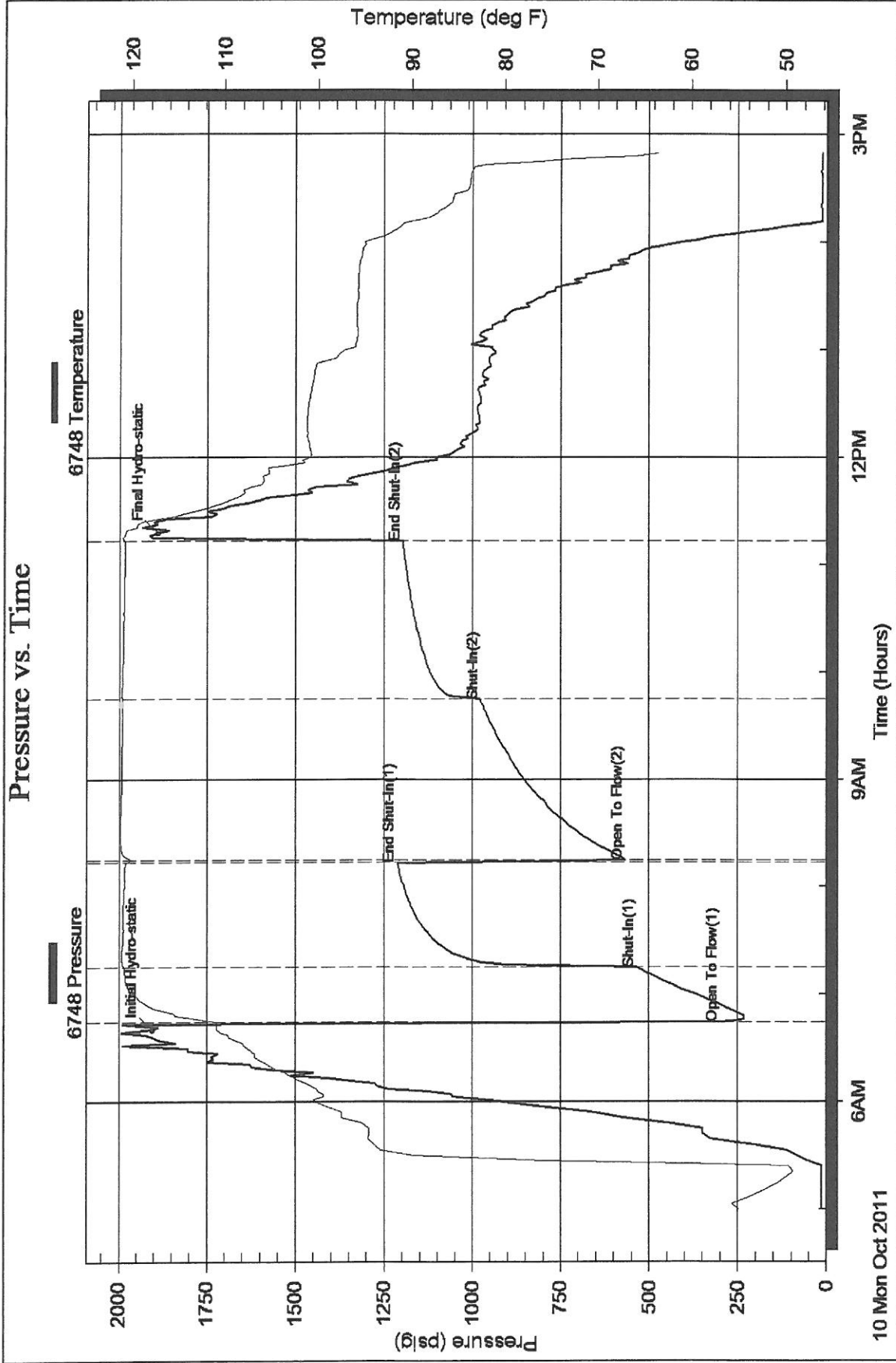
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	7	0.75	4.84	77.79
1	7	0.75	4.84	77.79
1	10	0.75	3.40	55.29
1	20	0.25	4.83	7.88
1	30	0.25	4.48	7.33
2	10	0.13	6.10	2.34
2	20	0.13	4.94	1.90
2	30	0.13	3.30	1.29
2	40	0.13	5.88	2.25
2	50	0.13	3.57	1.39
2	60	0.13	8.80	3.35
2	70	0.13	7.85	2.99
2	80	0.13	5.35	2.05

Serial #: 6748

Outside Fickrell Drilling Company Incorporated

21/27S/14W/Pratt

DST Test Number: 1



Serial #: 6749

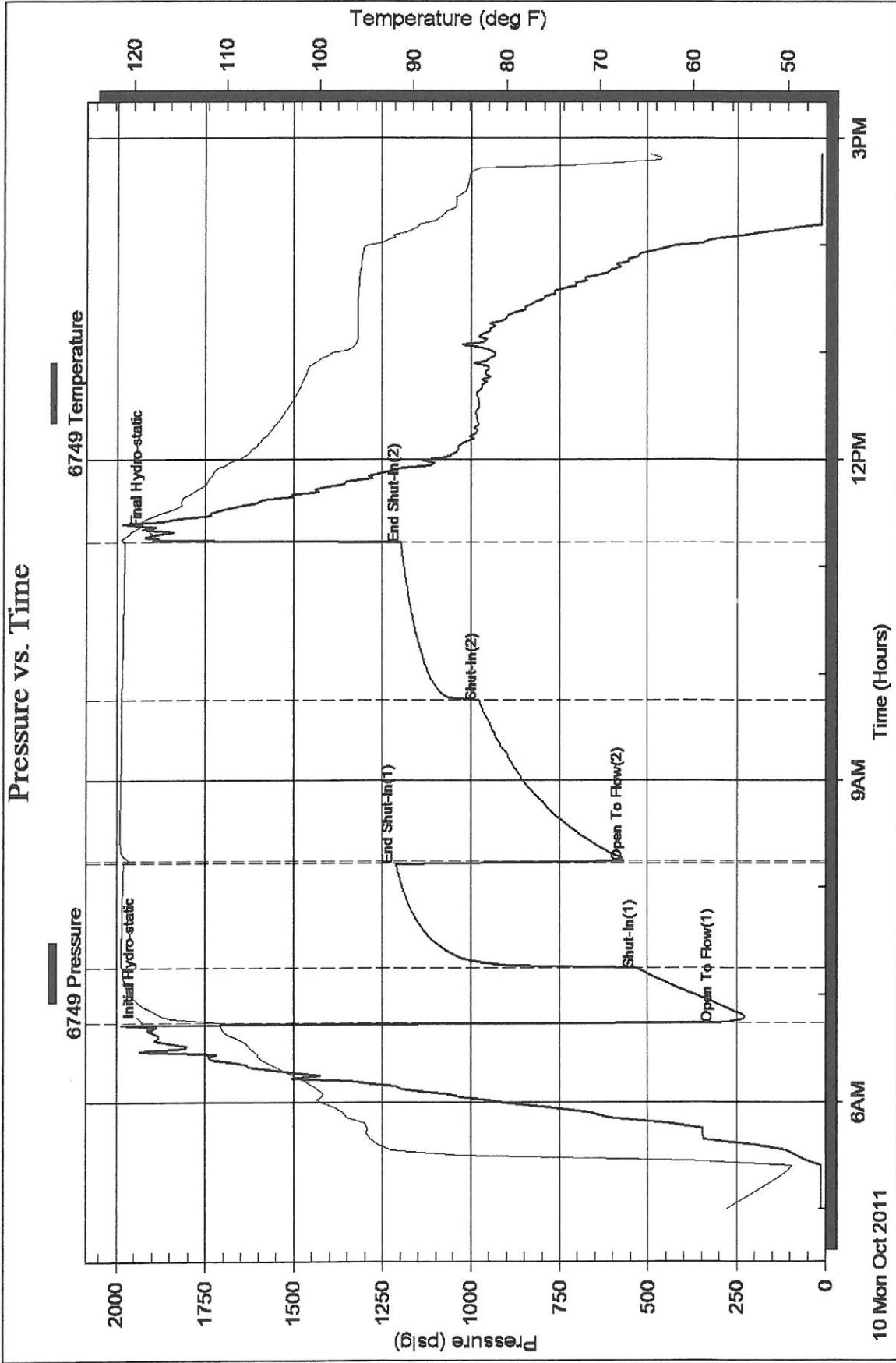
Inside

Rickrell Drilling Company Incorporated

21/27S/14W/Pratt

DST Test Number: 1

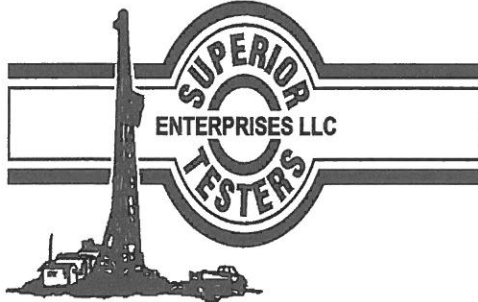
Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 18782

Printed: 2011.10.10 @ 13:24:52



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Company Incorporated**

100 South Main
Suite 505
Wichita, Kansas 67202+3738

ATTN: Roger Fisha

21/27S/14W/Pratt

Pilot Knob A #1

Start Date: 2011.10.12 @ 03:30:00

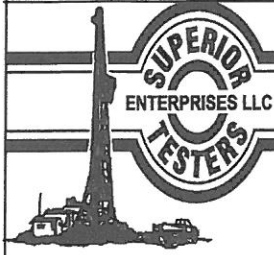
End Date: 2011.10.12 @ 08:19:00

Job Ticket #: 18783 DST #: 2

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

Printed: 2011.10.12 @ 06:38:10

Pickrell Drilling Company Incorporated
Pilot Knob A #1
21/27S/14W/Pratt
DST # 2
Mississippi
2011.10.12



DRILL STEM TEST REPORT

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisha

21/27S/14W/Pratt

Job Ticket: 18783

DST#: 2

Test Start: 2011.10.12 @ 03:30:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:21:30

Time Test Ended: 08:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Pratt/16

Interval: **4410.00 ft (KB) To 4420.00 ft (KB) (TVD)**

Total Depth: 4420.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1330.00 ft (KB)

1320.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6748

Outside

Press@RunDepth: 242.75 psig @ 4417.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.10.12

End Date:

2011.10.12

Last Calib.: 2011.10.12

Start Time: 03:30:00

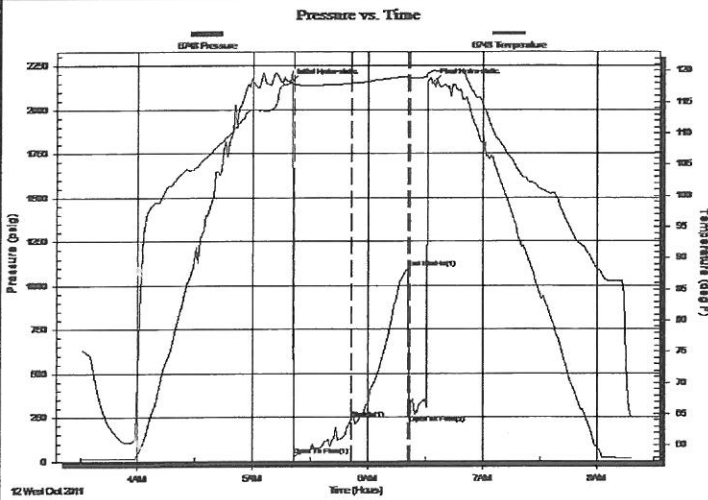
End Time:

08:19:00

Time On Btm: 2011.10.12 @ 05:19:30

Time Off Btm: 2011.10.12 @ 06:34:00

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch/Blow died in 25 minutes
1ST Shut In 30 Minutes/No blow back
2ND Open 10 Minutes/No blow /Pull tool



PRESSURE SUMMARY

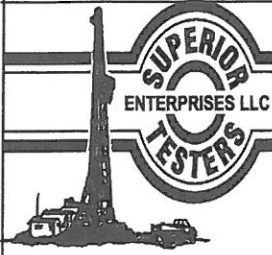
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.89	117.86	Initial Hydro-static
2	31.90	117.73	Open To Flow (1)
32	242.75	117.98	Shut-In(1)
62	1098.93	119.06	End Shut-In(1)
63	213.89	118.78	Open To Flow (2)
75	2150.42	119.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisha

21/27S/14W/Pratt

Job Ticket: 18783

DST#: 2

Test Start: 2011.10.12 @ 03:30:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:21:30

Time Test Ended: 08:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Pratt/16

Interval: **4410.00 ft (KB) To 4420.00 ft (KB) (TVD)**

Reference Elevations: 1330.00 ft (KB)

Total Depth: 4420.00 ft (KB) (TVD)

1320.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6749

Inside

Press@RunDepth: 1096.97 psig @ 4416.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.10.12

End Date:

2011.10.12

Last Calib.: 2011.10.12

Start Time: 03:30:00

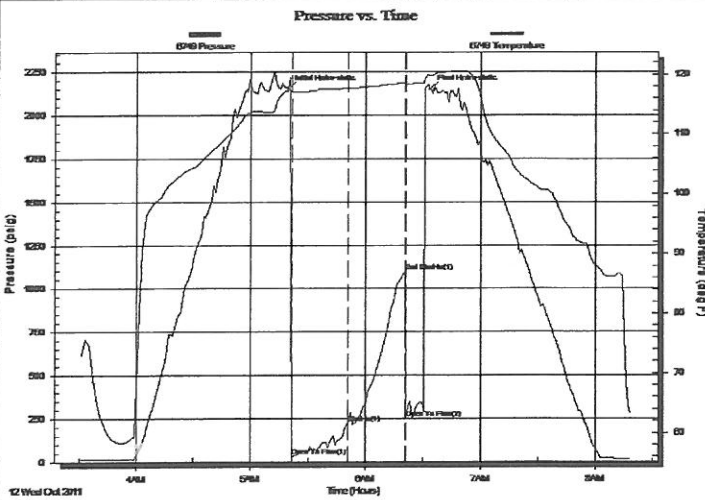
End Time:

08:19:00

Time On Btm: 2011.10.12 @ 05:19:30

Time Off Btm: 2011.10.12 @ 06:34:00

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch/Blow died in 25 minutes
1ST Shut In 30 Minutes/No blow back
2ND Open 10 Minutes/No blow /Pull tool



PRESSURE SUMMARY

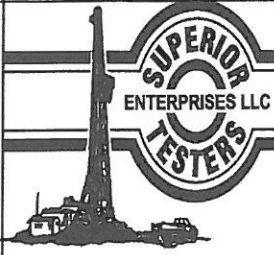
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2151.98	117.22	Initial Hydro-static
2	29.69	117.02	Open To Flow (1)
32	219.52	117.66	Shut-In(1)
62	1096.97	118.53	End Shut-In(1)
62	250.76	118.29	Open To Flow (2)
75	2149.77	119.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisha

21/27S/14W/Pratt

Job Ticket: 18783

DST#: 2

Test Start: 2011.10.12 @ 03:30:00

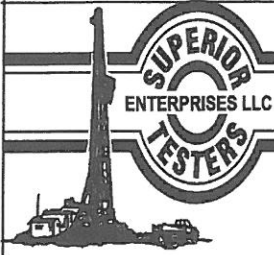
Tool Information

Drill Pipe:	Length: 4273.00 ft	Diameter: 3.88 inches	Volume: 62.49 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 63.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4410.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 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			4395.00	
Hydraulic Tool	5.00			4400.00	
Packer	5.00			4405.00	20.00 Bottom Of Top Packer
Packer	5.00			4410.00	
Anchor	5.00			4415.00	
Recorder	1.00	6749	Inside	4416.00	
Recorder	1.00	6748	Outside	4417.00	
Bull plug	3.00			4420.00	10.00 Bottom Packers & Anchor

Total Tool Length: 30.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisha

21/27S/14W/Pratt

Job Ticket: 18783

DST#: 2

Test Start: 2011.10.12 @ 03:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 71.00 sec/qt
Water Loss: 10.99 in³
Resistivity: ohm.m
Salinity: 7500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

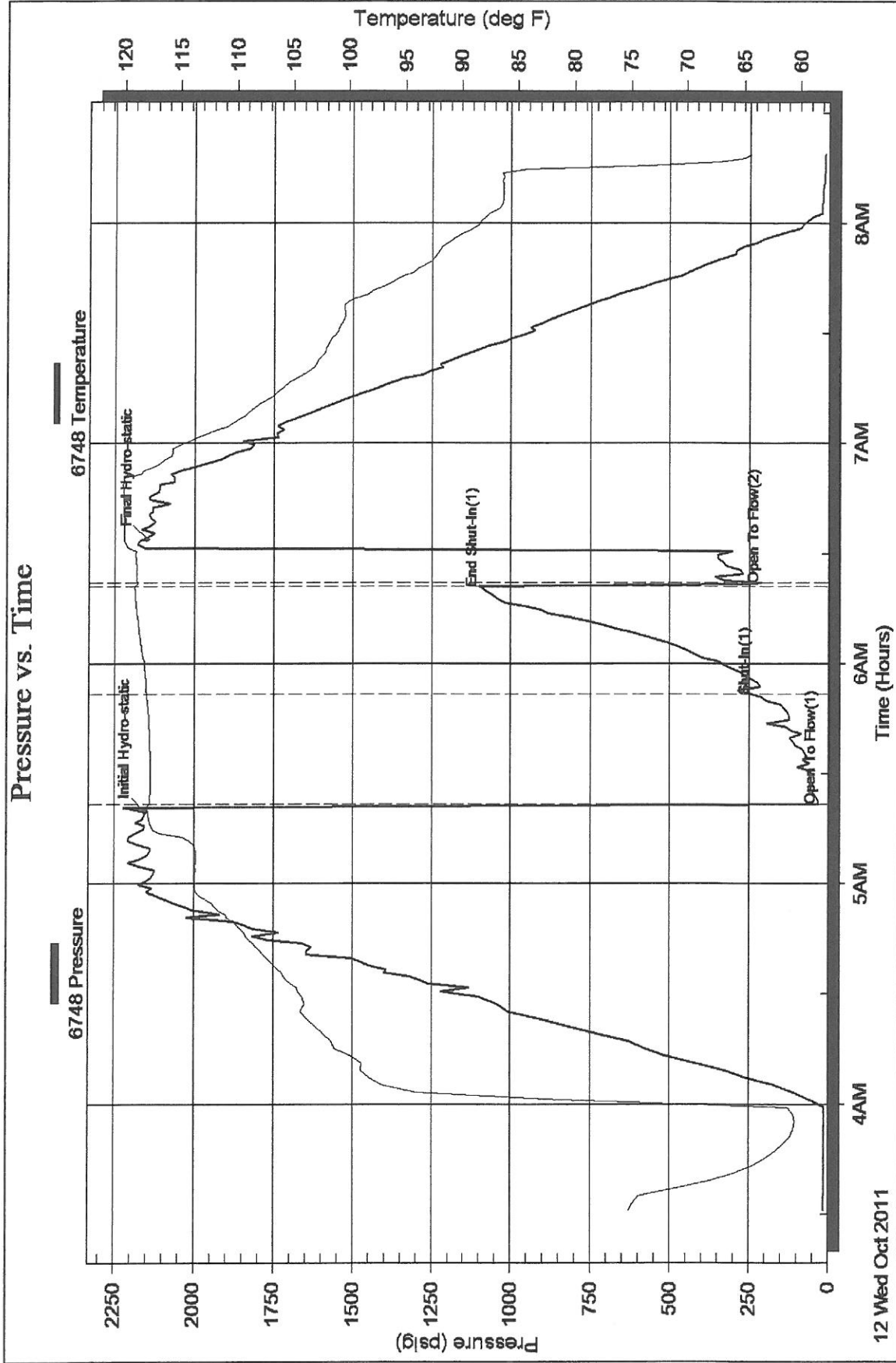
Recovery Comments:

Serial #: 6748

Outside Fickrell Drilling Company Incorporated

21/27S/14W/Pratt

DST Test Number: 2



Superior Testers Enterprises LLC

Ref. No: 18783

Printed: 2011.10.12 @ 06:38:12

Serial #: 6749

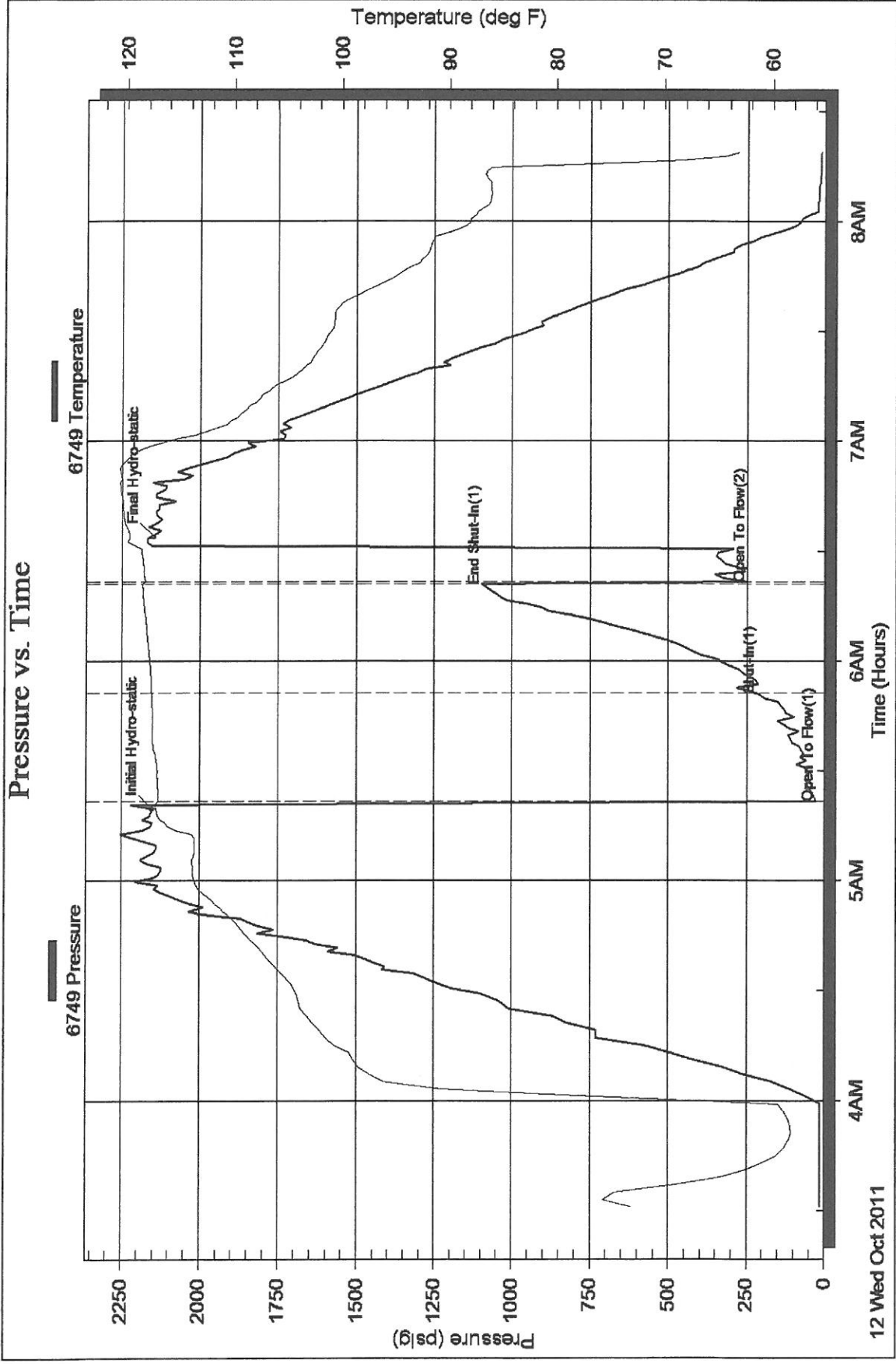
Inside

Fickrell Drilling Company Incorporated

21/27S/14W/Pratt

DST Test Number: 2

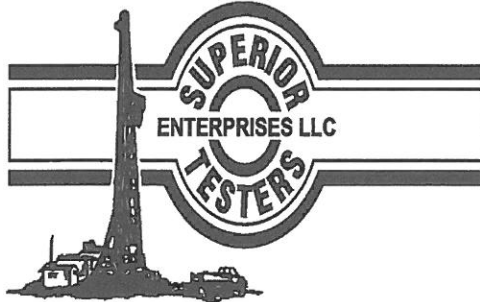
Pressure vs. Time



Printed: 2011.10.12 @ 06:38:12

Ref. No: 18783

Superior Testers Enterprises LLC



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Company Incorporated**

100 South Main
Suite 505
Wichita, Kansas 67202+3738

ATTN: Roger Fisher

21/27S/14W/Pratt

Pilot Knob A #1

Start Date: 2011.10.12 @ 19:50:00

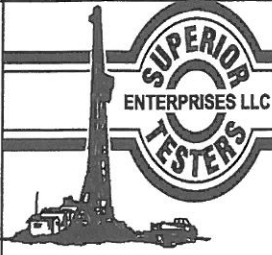
End Date: 2011.10.13 @ 00:34:00

Job Ticket #: 18784 DST #: 3

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

Printed: 2011.10.12 @ 22:56:34

Pickrell Drilling Company Incorporated
Pilot Knob A #1
21/27S/14W/Pratt
DST # 3
Viola
2011.10.12



DRILL STEM TEST REPORT

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisher

21/27S/14W/Pratt

Job Ticket: 18784

DST#: 3

Test Start: 2011.10.12 @ 19:50:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:41:30

Time Test Ended: 00:34:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Pratt/16

Interval: **4477.00 ft (KB) To 4516.00 ft (KB) (TVD)**

Total Depth: 4516.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1330.00 ft (KB)

1320.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6748

Outside

Press@RunDepth: 60.50 psig @ 4513.00 ft (KB)

Start Date: 2011.10.12

End Date: 2011.10.13

Start Time: 19:50:00

End Time: 00:34:00

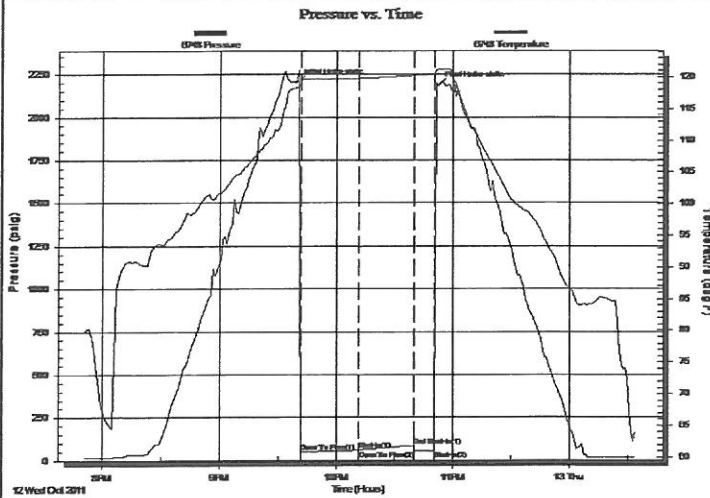
Capacity: 5000.00 psig

Last Calib.: 2011.10.12

Time On Btm: 2011.10.12 @ 21:39:30

Time Off Btm: 2011.10.12 @ 22:52:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch/Blow died in 20 minutes
1ST Shut In 30 Minutes/No blow back
2ND Open 10 Minutes/No blow /10 minutes pull tool



PRESSURE SUMMARY

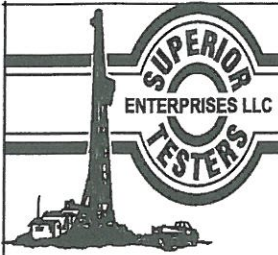
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.25	118.26	Initial Hydro-static
2	48.52	119.09	Open To Flow (1)
32	60.50	119.74	Shut-In(1)
61	85.76	120.23	End Shut-In(1)
61	56.63	120.23	Open To Flow (2)
72	57.51	120.42	Shut-In(2)
73	2183.75	121.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisher

21/27S/14W/Pratt

Job Ticket: 18784 **DST#: 3**

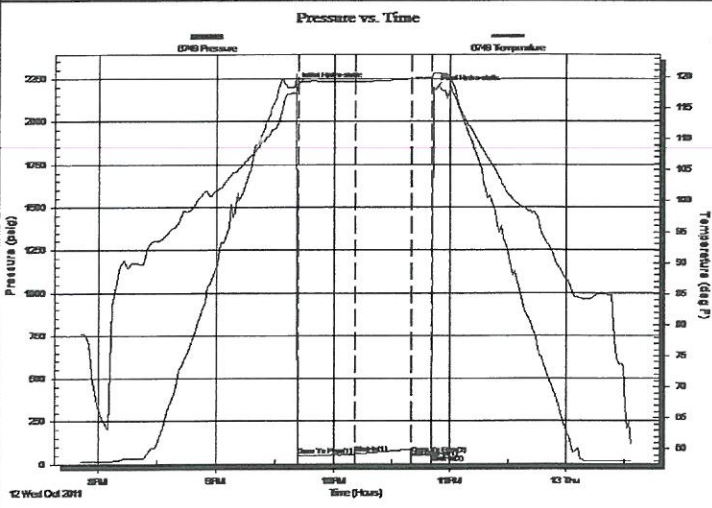
Test Start: 2011.10.12 @ 19:50:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 21:41:30 Tester: Ken Swinney
 Time Test Ended: 00:34:00 Unit No: 3325 Pratt/16
 Interval: **4477.00 ft (KB) To 4516.00 ft (KB) (TVD)** Reference Elevations: 1330.00 ft (KB)
 Total Depth: 4516.00 ft (KB) (TVD) 1320.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6749 Inside
 Press@RunDepth: 84.27 psig @ 4512.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2011.10.12 End Date: 2011.10.13 Last Calib.: 2011.10.12
 Start Time: 19:50:00 End Time: 00:34:00 Time On Btm: 2011.10.12 @ 21:40:00
 Time Off Btm: 2011.10.12 @ 22:52:00

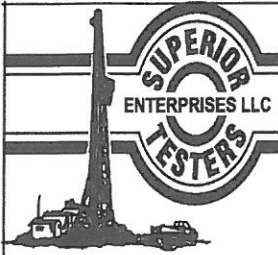
TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch/Blow died in 20 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 10 Minutes/No blow /10 minutes pull tool



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.64	117.35	Initial Hydro-static
2	47.31	118.72	Open To Flow (1)
31	58.48	119.21	Shut-In(1)
60	84.27	119.64	End Shut-In(1)
61	54.53	119.64	Open To Flow (2)
71	56.22	119.93	Shut-In(2)
72	2187.77	120.53	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Company Incorporated
 100 South Main
 Suite 505
 Wichita, Kansas 67202+3738
 ATTN: Roger Fisher

Pilot Knob A #1
21/27S/14W/Pratt
 Job Ticket: 18784 **DST#: 3**
 Test Start: 2011.10.12 @ 19:50:00

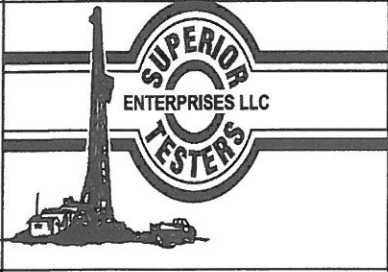
Tool Information

Drill Pipe:	Length: 4367.00 ft	Diameter: 3.88 inches	Volume: 63.86 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: lb
		Total Volume: 64.45 bbl		Tool Chased: ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial lb
Depth to Top Packer:	4477.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	59.00 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			4462.00	
Hydraulic tool	5.00			4467.00	
Packer	5.00			4472.00	20.00 Bottom Of Top Packer
Packer	5.00			4477.00	
Anchor	34.00			4511.00	
Recorder	1.00	6749	Inside	4512.00	
Recorder	1.00	6748	Outside	4513.00	
Bull plug	3.00			4516.00	39.00 Bottom Packers & Anchor

Total Tool Length: 59.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisher

21/27S/14W/Pratt
Job Ticket: 18784 **DST#: 3**
Test Start: 2011.10.12 @ 19:50:00

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

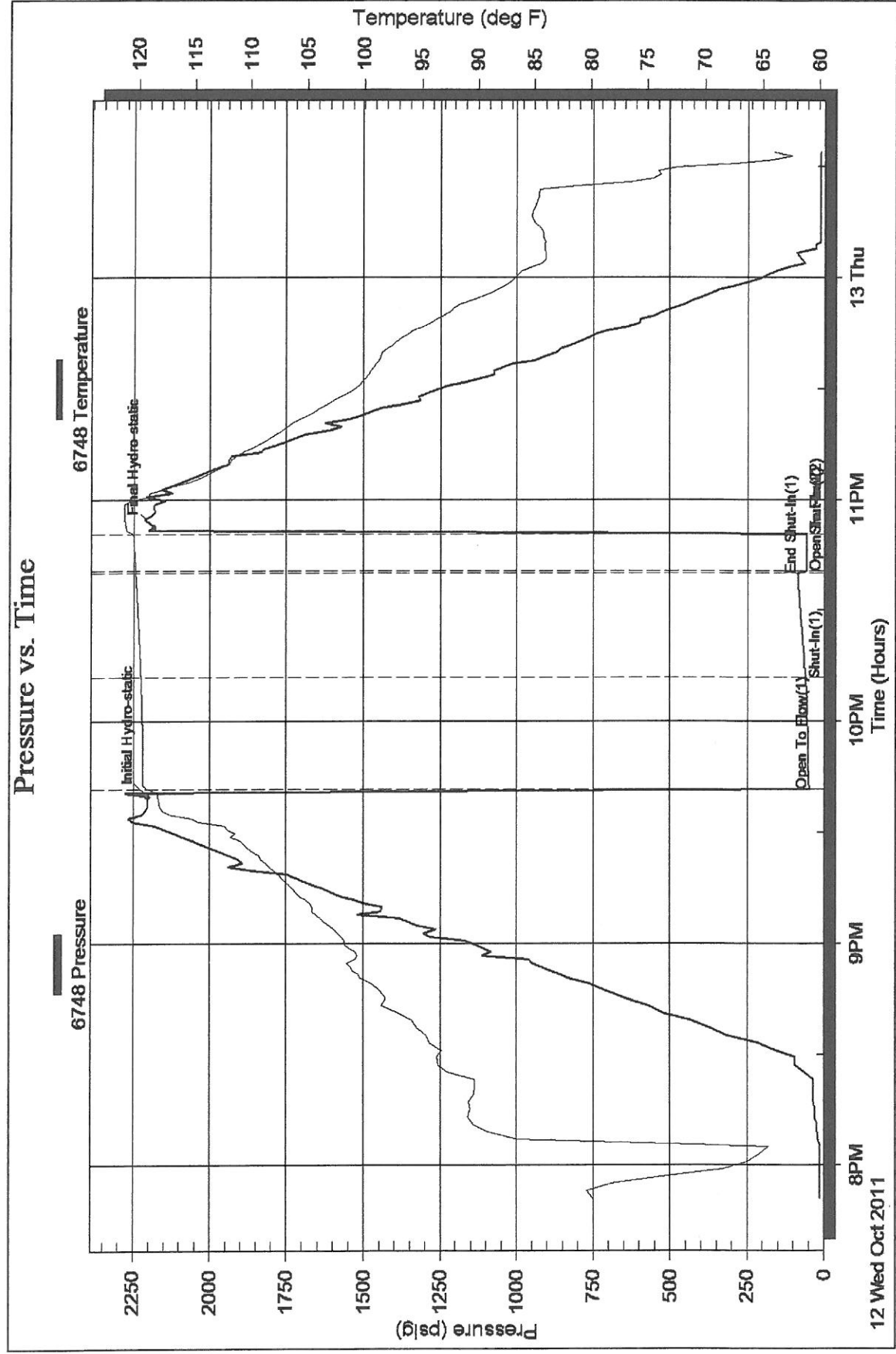
Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6748

Outside Fickrell Drilling Company Incorporated

21/27S/14W/Pratt

DST Test Number: 3



Serial #: 6749

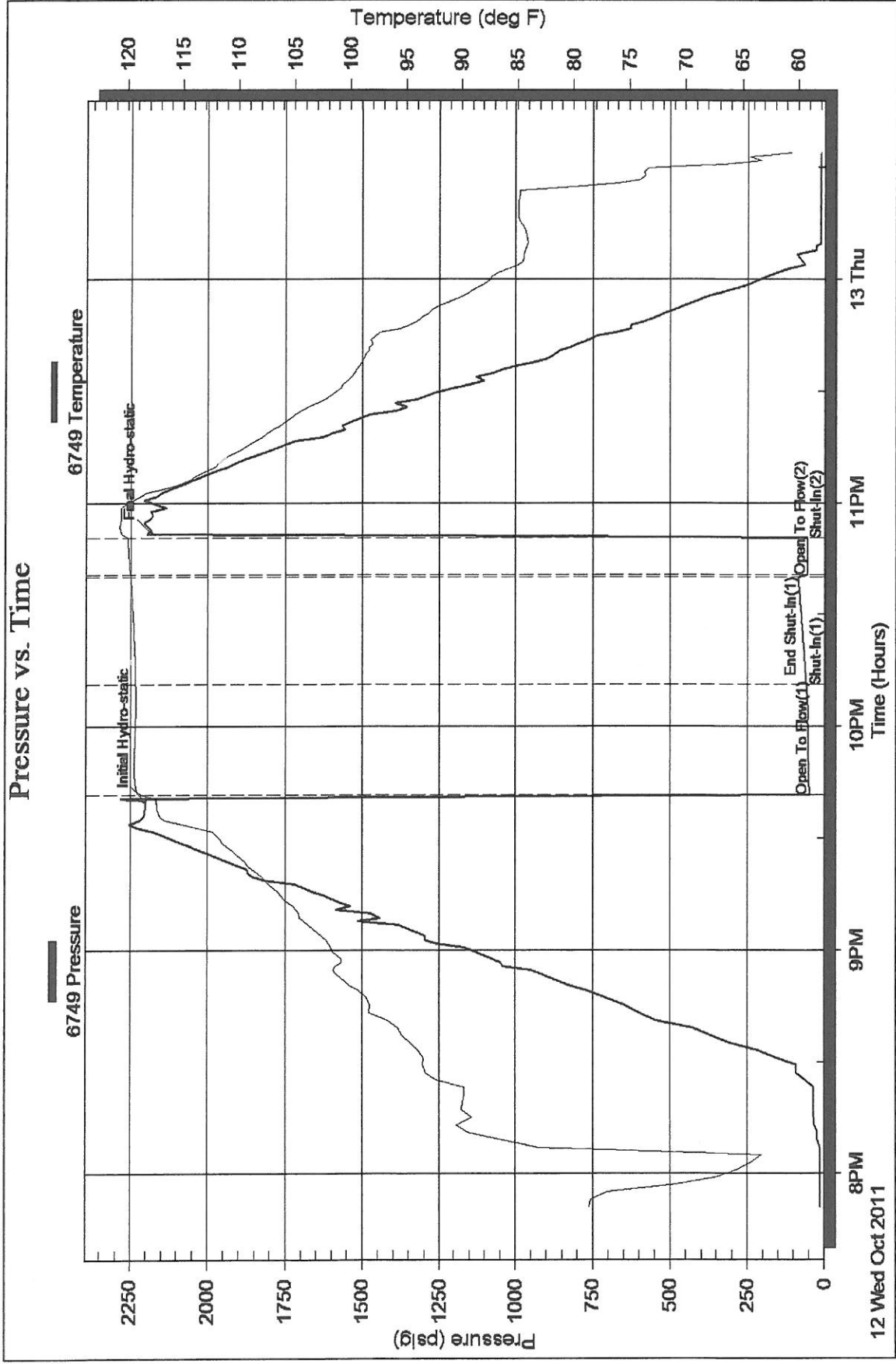
Inside

Fickrell Drilling Company Incorporated

21/27S/14W/Pratt

DST Test Number: 3

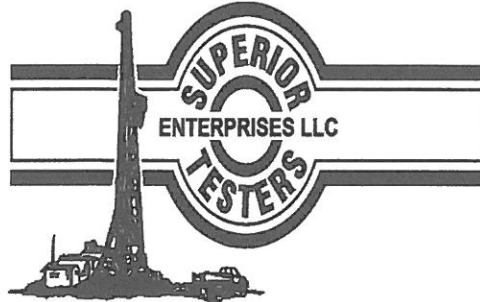
Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 18784

Printed: 2011.10.12 @ 22:56:36



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Company Incorporated**

100 South Main
Suite 505
Wichita, Kansas 67202+3738

ATTN: Roger Fisher

21/27S/14W/Pratt

Pilot Knob A #1

Start Date: 2011.10.13 @ 14:22:00

End Date: 2011.10.14 @ 00:56:00

Job Ticket #: 18785 DST #: 4

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

Printed: 2011.10.13 @ 23:08:38

Pickrell Drilling Company Incorporated

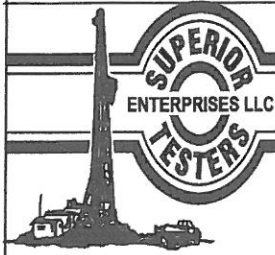
Pilot Knob A #1

21/27S/14W/Pratt

DST # 4

Simpson Sand

2011.10.13



DRILL STEM TEST REPORT

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisher

21/27S/14W/Pratt

Job Ticket: 18785

DST#: 4

Test Start: 2011.10.13 @ 14:22:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:00

Time Test Ended: 00:56:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Pratt/16

Interval: **4515.00 ft (KB) To 4554.00 ft (KB) (TVD)**

Reference Elevations: 1330.00 ft (KB)

Total Depth: 4554.00 ft (KB) (TVD)

1320.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6748

Outside

Press@RunDepth: 1475.99 psig @ 4551.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.10.13

End Date:

2011.10.14

Last Calib.: 2011.10.13

Start Time: 14:22:00

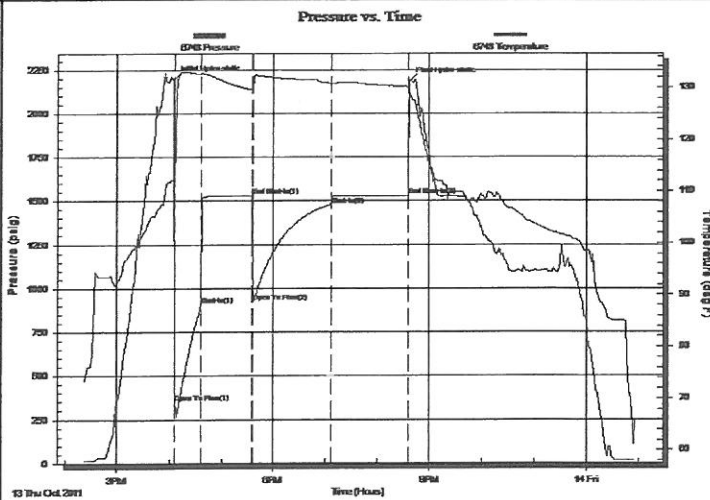
End Time:

00:56:00

Time On Btm: 2011.10.13 @ 16:04:00

Time Off Btm: 2011.10.13 @ 20:37:30

TEST COMMENT: 1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 45 seconds
1ST Shut In 60 Minutes/Gas to surface in 18 minutes/Blow back to bottom of bucket
2ND Open 90 Minutes/Strong blow /Blow to bottom of bucket in 30 seconds
2ND Shut In 90 Minutes/Blow back to bottom of bucket



PRESSURE SUMMARY

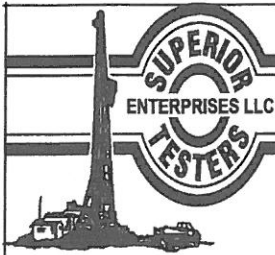
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.73	112.17	Initial Hydro-static
2	347.69	111.13	Open To Flow (1)
33	906.17	132.51	Shut-In(1)
92	1530.23	129.63	End Shut-In(1)
92	921.31	129.46	Open To Flow (2)
183	1475.99	130.76	Shut-In(2)
273	1531.46	130.03	End Shut-In(2)
274	2182.81	129.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
900.00	Oil and Mud cut Gassy Water	12.00
0.00	Oil 5% Mud 10% Gas 20% Water 65%	0.00
2280.00	Mud cut Gassy Water	33.34
0.00	Mud 2% Gas 5% Water 93%	0.00
180.00	Mud 100%	2.63
0.00	Recovery Chlorides 51000 ppm	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	9.00	3.42
Last Gas Rate	0.38	5.20	19.56
Max. Gas Rate	0.25	10.20	16.40



DRILL STEM TEST REPORT

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisher

21/27S/14W/Pratt

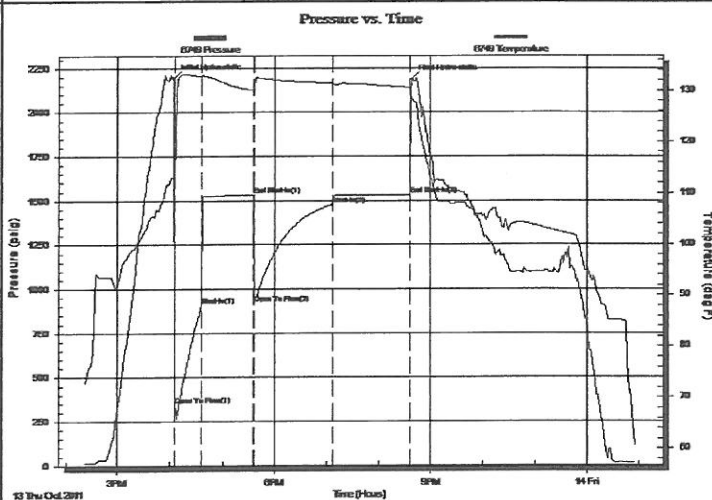
Job Ticket: 18785 **DST#: 4**
Test Start: 2011.10.13 @ 14:22:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:06:00
Time Test Ended: 00:56:00
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Pratt/16
Interval: **4515.00 ft (KB) To 4554.00 ft (KB) (TVD)**
Reference Elevations: 1330.00 ft (KB)
Total Depth: 4554.00 ft (KB) (TVD) 1320.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6749 **Inside**
Press@RunDepth: 1530.40 psig @ 4550.00 ft (KB) Capacity: 5000.00 psig
Start Date: 2011.10.13 End Date: 2011.10.14 Last Calib.: 2011.10.13
Start Time: 14:22:00 End Time: 00:55:30 Time On Btm: 2011.10.13 @ 16:04:00
Time Off Btm: 2011.10.13 @ 20:38:30

TEST COMMENT: 1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 45 seconds
1ST Shut In 60 Minutes/Gas to surface in 18 minutes/Blow back to bottom of bucket
2ND Open 90 Minutes/Strong blow /Blow to bottom of bucket in 30 seconds
2ND Shut In 90 Minutes/Blow back to bottom of bucket



PRESSURE SUMMARY

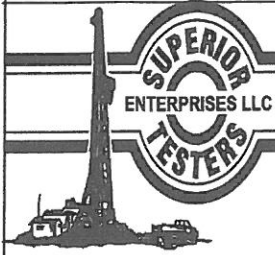
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.95	113.05	Initial Hydro-static
2	346.20	112.36	Open To Flow (1)
32	907.92	132.65	Shut-In(1)
91	1529.63	129.93	End Shut-In(1)
92	920.49	130.44	Open To Flow (2)
183	1474.28	131.48	Shut-In(2)
273	1530.40	130.54	End Shut-In(2)
275	2187.13	128.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
900.00	Oil and Mud cut Gassy Water	12.00
0.00	Oil 5% Mud 10% Gas 20% Water 65%	0.00
2280.00	Mud cut Gassy Water	33.34
0.00	Mud 2% Gas 5% Water 93%	0.00
180.00	Mud 100%	2.63
0.00	Recovery Chlorides 51000 ppm	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	9.00	3.42
Last Gas Rate	0.38	5.20	19.56
Max. Gas Rate	0.25	10.20	16.40



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisher

21/27S/14W/Pratt

Job Ticket: 18785

DST#: 4

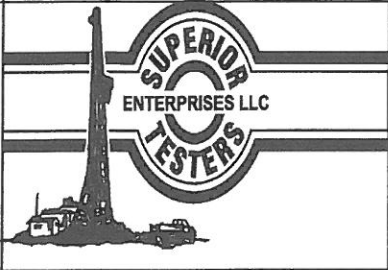
Test Start: 2011.10.13 @ 14:22:00

Tool Information

Drill Pipe:	Length: 4395.00 ft	Diameter: 3.88 inches	Volume: 64.27 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume: 64.86 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	4515.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	59.00 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			4500.00	
Hydrolic tool	5.00			4505.00	
Packer	5.00			4510.00	20.00 Bottom Of Top Packer
Packer	5.00			4515.00	
Anchor	34.00			4549.00	
Recorder	1.00	6749	Inside	4550.00	
Recorder	1.00	6748	Outside	4551.00	
Bull plug	3.00			4554.00	39.00 Bottom Packers & Anchor

Total Tool Length: 59.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisher

21/27S/14W/Pratt
Job Ticket: 18785 **DST#: 4**
Test Start: 2011.10.13 @ 14:22:00

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

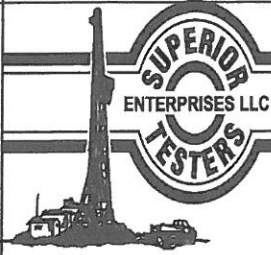
Length ft	Description	Volume bbl
900.00	Oil and Mud cut Gassy Water	11.997
0.00	Oil 5% Mud 10% Gas 20% Water 65%	0.000
2280.00	Mud cut Gassy Water	33.343
0.00	Mud 2% Gas 5% Water 93%	0.000
180.00	Mud 100%	2.632
0.00	Recovery Chlorides 51000 ppm	0.000
0.00	Resistivity .22 @ 57 degrees	0.000

Total Length: 3360.00 ft Total Volume: 47.972 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

Pickrell Drilling Company Incorporated

Pilot Knob A #1

100 South Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Roger Fisher

21/27S/14W/Pratt

Job Ticket: 18785

DST#: 4

Test Start: 2011.10.13 @ 14:22:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

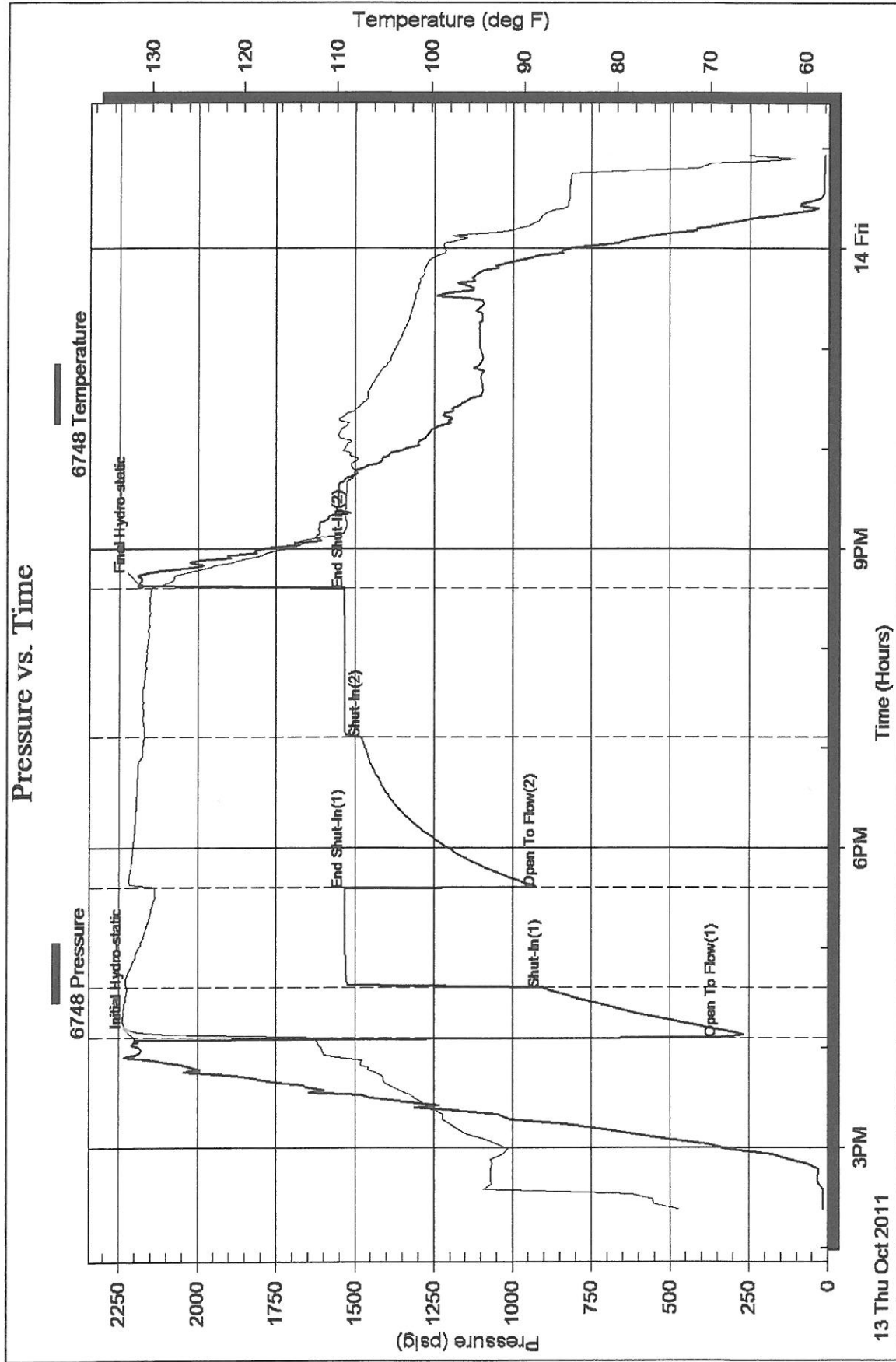
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.13	9.00	3.42
2	10	0.13	9.00	3.42
2	10	0.13	9.00	3.42
2	20	0.13	7.90	3.01
2	30	0.13	6.80	2.60
2	40	0.13	6.80	2.60
2	50	0.13	9.85	3.74
2	60	0.25	10.20	16.40
2	70	0.38	5.20	19.56

Serial #: 6748

Outside Fickrell Drilling Company Incorporated

21/27S14W/Patt

DST Test Number: 4



Serial #: 6749

Inside Fickrell Drilling Company Incorporated

21/27S/14W/Pratt

DST Test Number: 4

Pressure vs. Time

