



KANSAS CORPORATION COMMISSION 1161173
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

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

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: _____



1161173

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
<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 <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> <input type="checkbox"/> Other <i>(Specify)</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	Rolf Trust 'A' 1
Doc ID	1161173

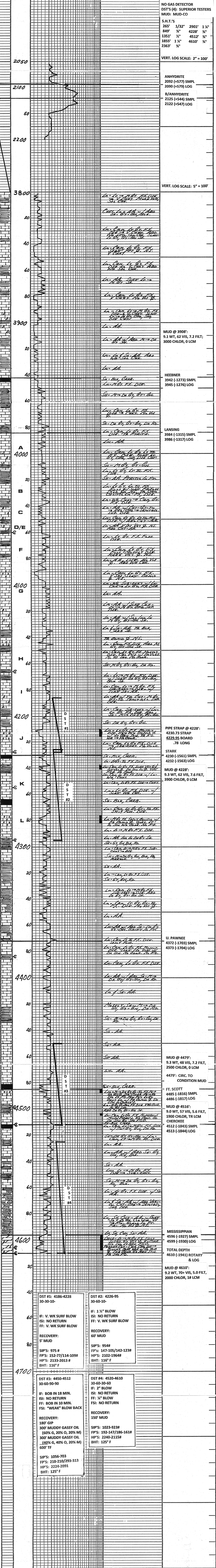
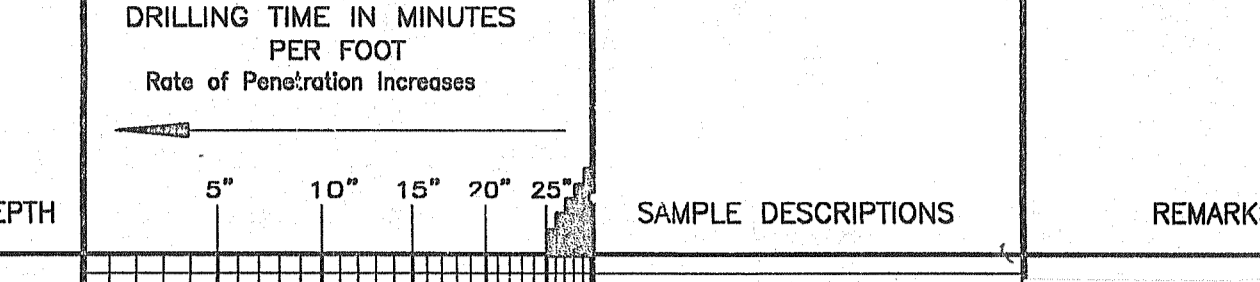
Tops

Name	Top	Datum
T/Anhydrite	2090	(+ 579)
B/Anhydrite	2122	(+ 547)
Heebner	3945	(-1270)
Lansing	3986	(-1317)
Stark Shale	4232	(-1563)
Fort Scott	4486	(-1817)
Cherokee	4513	(-1844)
Mississippi Porosity	4599	(-1930)

GEOLOGIST'S REPORT
DRILLING TIME and SAMPLE LOG

COMPANY: PICKRELL DRILLING COMPANY, INC.	ELEVATIONS
LEASE: #1 ROLF TRUST "A"	K.B. 2669
FIELD: LITTLE BLUE NORTH	D.F. 2667
LOCATION: 450 FSL & 330 FEL	G.L. 2659
SEC. 30	TWP. 16
COUNTY: NESS	STATE: KANSAS
CONTRACTOR: COMPANY TOOLS, RIG #1	CASING
SPUD: 9/20/13	COMP. 9/29/13
MUD LP: 3400	TYPE: MUD: CHEMICAL
APL NO. 15-35-2667	APL NO. 15-35-2667
SAMPLES SAVED FROM: 3800	TO: RTD
DRILLING TIME KEPT FROM: 2050/3800	TO: 2200/RTD
SAMPLES EXAMINED FROM: 3800	TO: RTD
GEOLOGIST ON WELL: JERRY A. SMITH	
FORMATION TOPS	LOG
ANHYDRITE	2090 (+579)
HEEBNER	3945 (+1273)
LANSING	3986 (+1317)
STARK	4232 (+1563)
FT. SCOTT	4486 (+1817)
CHEROKEE	4513 (+1844)
MISSISSIPPIAN	4599 (+1930)

LEGEND



COMPANY: PICKRELL DRILLING COMPANY, INC.	ELEVATION: 2669 KB
LEASE: #1 ROLF TRUST "A"	
LOCATION: 450 FSL & 330 FEL	SEC 30 TWP 16 RGE 26W
COUNTY: NESS	STATE: KANSAS

ALLIED OIL & GAS SERVICES, LLC 061884

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend K

DATE <u>9-20-13</u>	SEC. <u>30</u>	TWP. <u>16</u>	RANGE <u>21e</u>	CALLED OUT <u>9-19-13</u>	ON LOCATION <u>10:00 PM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>9:30 AM</u>
LEASE <u>Ralph</u>		WELL # <u>10-1</u>		LOCATION <u>Between 30, 15, w/ side</u>		COUNTY <u>Deer</u>	STATE <u>K</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Pachell #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 2165'
 CASING SIZE 8 1/2 DEPTH 2163'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. 1
 DISPLACEMENT 15 3/4

OWNER Some
 CEMENT
 AMOUNT ORDERED 150 lbm A 350.00
270 lbm

EQUIPMENT

PUMP TRUCK CEMENTER Tom Neffman
 # 366 HELPER Charles Kemper
 BULK TRUCK
 # 609-112 DRIVER Don Cooper
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>162.09</u>	@ <u>2.48</u>	<u>401.98</u>
MILEAGE	<u>7.4 x 28x</u>	@ <u>2.60</u>	<u>538.72</u>
TOTAL			<u>4,015.90</u>

REMARKS:
Rem 2163' of 8 1/2" cas, Ansoke circulation
Plugged 5 holes H2O. Mixed 150 lbm
lbm A 350cc 270 lbm. Displaced
with H2O

Cement Add Circulate

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

SERVICE

DEPTH OF JOB	<u>2163'</u>		
PUMP TRUCK CHARGE		<u>1512.25</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>HUM 28</u>	@ <u>7.70</u>	<u>215.60</u>
MANIFOLD		@	
	<u>LUM 28</u>	@ <u>4.40</u>	<u>123.20</u>
		@	
TOTAL			<u>1,851.05</u>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			_____

To: Allied Oil & Gas Services, 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 X
 SIGNATURE X

SALES TAX (If Any) _____
 TOTAL CHARGES 5,866.95
 DISCOUNT 1,173.39
4,693.56 IF PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC 061928

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Greent Bend 115

DATE <u>9-29-13</u>	SEC. <u>30</u>	TWP. <u>16S</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 pm</u>	JOB FINISH <u>10:30 pm</u>
LEASE <u>RAC Transit A</u>	WELL# <u>1</u>	LOCATION <u>UTCA 3w 1s 44nd</u>			COUNTY <u>WESS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Pickrell Drilling #1

TYPE OF JOB Rosary Plug

HOLE SIZE 7 1/8 T.D.

CASING SIZE 4 5/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2160

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT Freshwater/mud

EQUIPMENT

PUMP TRUCK CEMENTER Dustin Chambers

398 HELPER Mike Scathorn

BULK TRUCK

60912 DRIVER Dan Casper

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED 310 SKS 60% class A

4241022 47 gal 1/4 P/O

COMMON	<u>186</u>	@ <u>17.90</u>	<u>3,329.40</u>
POZMIX	<u>124</u>	@ <u>9.35</u>	<u>1,159.40</u>
GEL	<u>10</u>	@ <u>23.40</u>	<u>234.00</u>
CHLORIDE		@	
ASC		@	
<u>flaseal</u>	<u>77</u>	@ <u>2.97</u>	<u>228.69</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>422.9</u>	@ <u>2.48</u>	<u>1048.79</u>
MILEAGE	<u>13.90 x 28 x</u>	<u>2.60</u>	<u>1,011.92</u>
			TOTAL <u>7,612.20</u>

REMARKS:

Fill hole with Rig mud

1,2160-62 SKS

5,1290-50 SKS

3,630-50 SKS

4,320-50 SKS

5,62-22 SKS

6,184-30 SKS

7,124-20 SKS plug down - 10:00 pm

CHARGE TO: Pickrell Drilling

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE	<u>2483.22</u>		
EXTRA FOOTAGE		@	
MILEAGE <u>Hum 28</u>	@ <u>7.70</u>		<u>215.60</u>
MANIFOLD		@	
<u>Hum 28</u>	@ <u>4.40</u>		<u>123.20</u>
	@		

TOTAL 2,822.39

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

To: Allied Oil & Gas Services, 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 X Mike Scathorn

SIGNATURE X Mike Scathorn
Thank You!!

SALES TAX (If Any) _____

TOTAL CHARGES 9,834.52

DISCOUNT 1,966.91

IF PAID IN 30 DAYS

7,867.61



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drillind Company**

100 S Main Ste 505 Wichita KS 67202+3738

ATTN: Jerry Smith

Rolf Trust "A" #1

30-16-26w Ness

Start Date: 2013.09.25 @ 14:56:00

End Date: 2013.09.25 @ 20:21:30

Job Ticket #: 18440 DST #: 1

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

Printed: 2013.09.25 @ 20:37:44

Pickrell Drillind Company

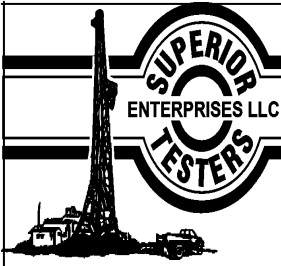
30-16-26w Ness

Rolf Trust "A" #1

DST # 1

Kansas City "J" zone

2013.09.25



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18440

DST#: 1

Test Start: 2013.09.25 @ 14:56:00

GENERAL INFORMATION:

Formation: **Kansas City "J" zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:03:30

Time Test Ended: 20:21:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-200

Interval: 4186.00 ft (KB) To 4228.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4228.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 77.45 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.25 End Date: 2013.09.25

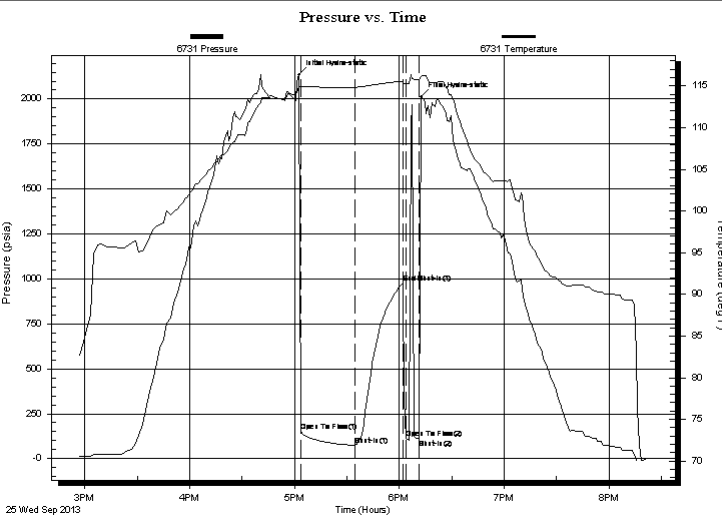
Last Calib.: 2013.09.25

Start Time: 14:56:00 End Time: 20:21:30

Time On Btm: 2013.09.25 @ 17:02:30

Time Off Btm: 2013.09.25 @ 18:12:30

TEST COMMENT: 1st Opening 30 Minutes-Very weak surface blow did not build
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 10 Minutes-No blow flushed tool good surge did not build
 2nd Shut-in pull tool



PRESSURE SUMMARY

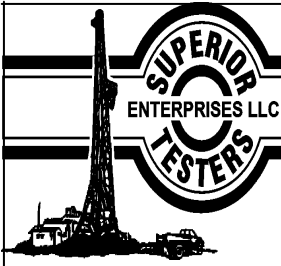
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2133.98	114.88	Initial Hydro-static
1	152.16	114.89	Open To Flow (1)
32	77.45	114.85	Shut-In(1)
60	975.47	115.56	End Shut-In(1)
61	114.92	115.31	Open To Flow (2)
69	109.72	115.78	Shut-In(2)
70	2013.56	116.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18440

DST#: 1

Test Start: 2013.09.25 @ 14:56:00

GENERAL INFORMATION:

Formation: **Kansas City "J" zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:03:30

Time Test Ended: 20:21:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-200

Interval: 4186.00 ft (KB) To 4228.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4228.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 1013.05 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.25 End Date: 2013.09.25

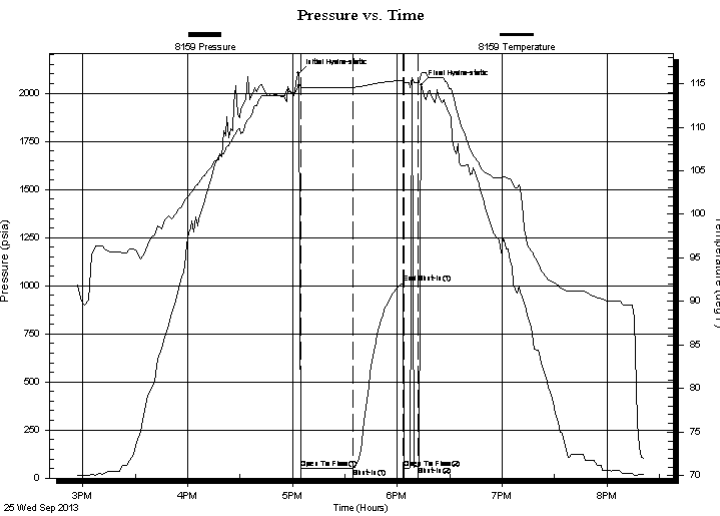
Last Calib.: 2013.09.25

Start Time: 14:56:00 End Time: 20:22:00

Time On Btm: 2013.09.25 @ 17:03:30

Time Off Btm: 2013.09.25 @ 18:13:30

TEST COMMENT: 1st Opening 30 Minutes-Very weak surface blow did not build
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 10 Minutes-No blow flushed tool good surge did not build
 2nd Shut-in pull tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2104.28	115.09	Initial Hydro-static
1	49.30	114.62	Open To Flow (1)
31	51.09	114.58	Shut-In(1)
60	1013.05	115.40	End Shut-In(1)
61	52.85	115.11	Open To Flow (2)
69	59.55	115.17	Shut-In(2)
70	2045.17	116.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18440

DST#: 1

ATTN: Jerry Smith

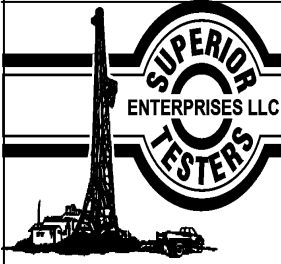
Test Start: 2013.09.25 @ 14:56:00

Tool Information

Drill Pipe:	Length: 4030.00 ft	Diameter: 3.80 inches	Volume: 56.53 bbl	Tool Weight:	1000.00 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: 150.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 57.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	78000.00 lb
Depth to Top Packer:	4186.00 ft			Final	78000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			4169.00	
Hydraulic Tool	5.00			4174.00	
Safety Joint	2.00			4176.00	
Packer	5.00			4181.00	22.00 Bottom Of Top Packer
Packer	5.00			4186.00	
Anchor	37.00			4223.00	
Recorder	1.00	6731	Inside	4224.00	
Recorder	1.00	8159	Outside	4225.00	
Bullnose	3.00			4228.00	42.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18440

DST#: 1

ATTN: Jerry Smith

Test Start: 2013.09.25 @ 14:56:00

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: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

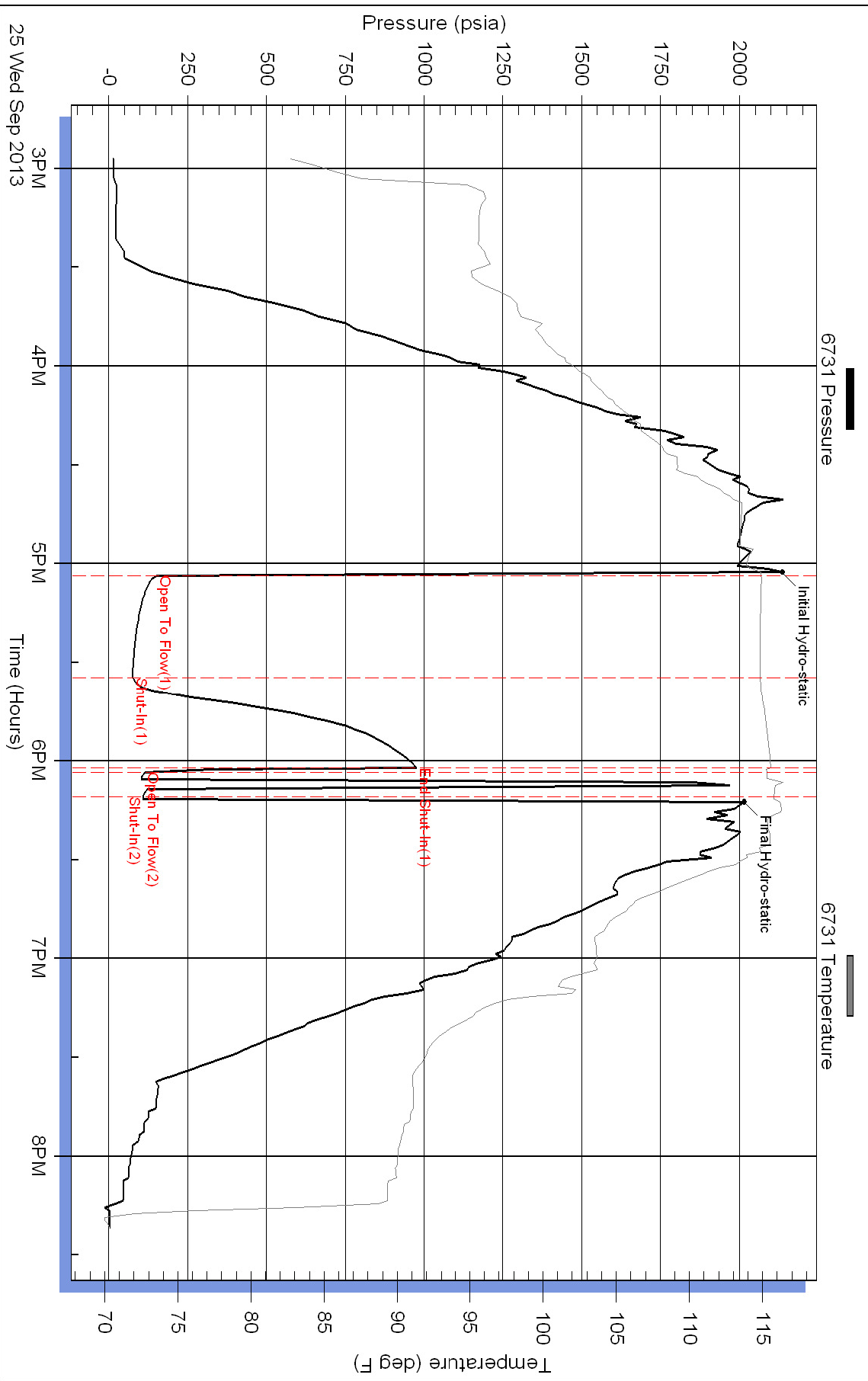
Serial #:

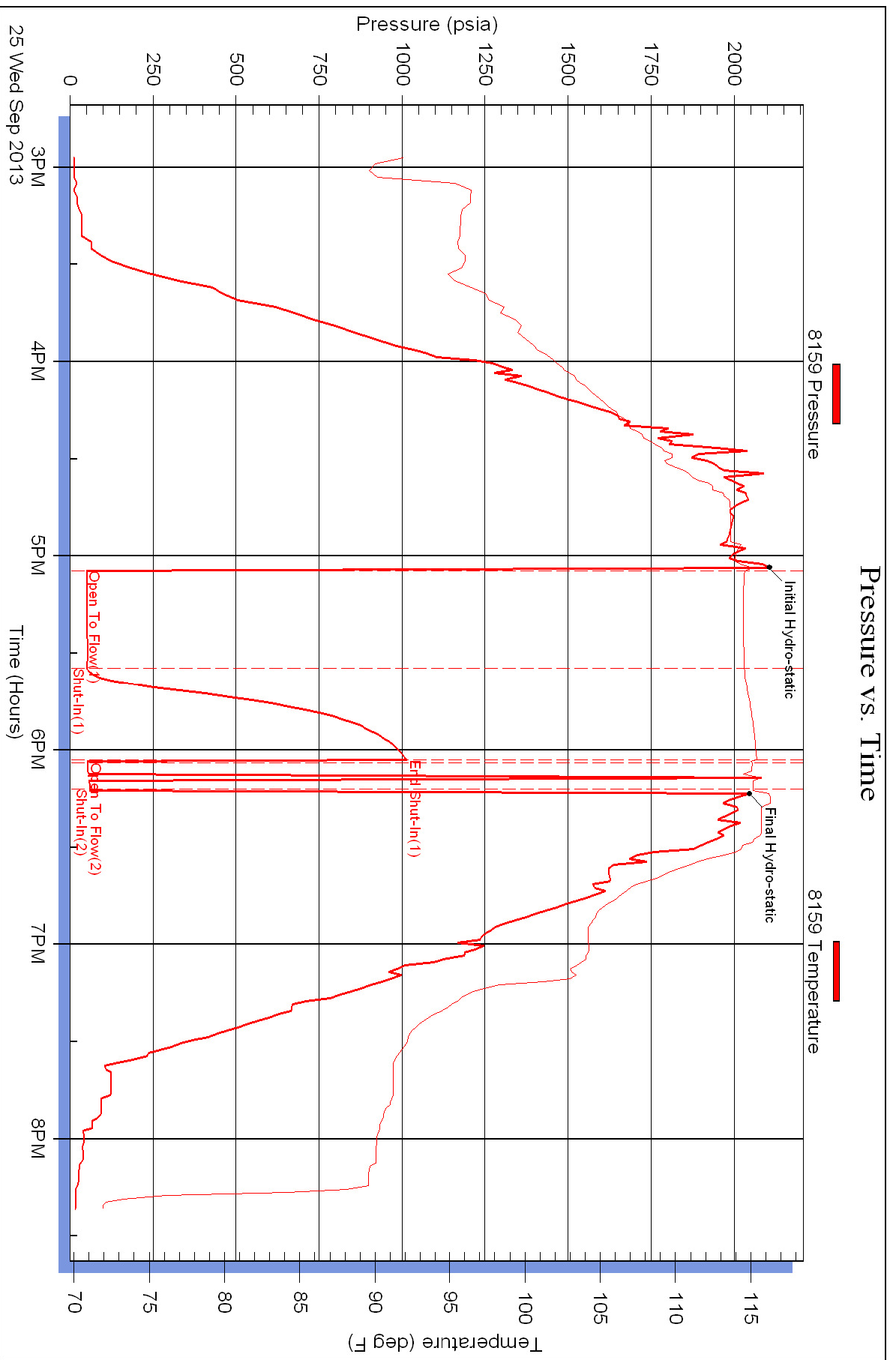
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Pickrell Drillind Company**

100 S Main Ste 505 Wichita KS 67202+3738

ATTN: Jerry Smith

Rolf Trust "A" #1

30-16-26w Ness

Start Date: 2013.09.26 @ 09:02:00

End Date: 2013.09.26 @ 13:42:00

Job Ticket #: 18441 DST #: 2

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

Printed: 2013.09.26 @ 13:56:28

Pickrell Drillind Company

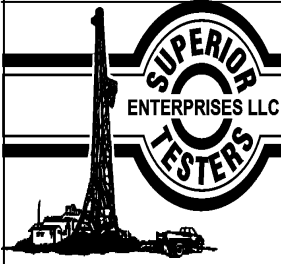
30-16-26w Ness

Rolf Trust "A" #1

DST # 2

Kansas City K & L zo

2013.09.26



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18441

DST#: 2

Test Start: 2013.09.26 @ 09:02:00

GENERAL INFORMATION:

Formation: **Kansas City K & L zo**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:26:30

Time Test Ended: 13:42:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 33209-Great Bend-200

Interval: 4226.00 ft (KB) To 4295.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4295.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 105.33 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.26

End Date: 2013.09.26

Last Calib.: 2013.09.26

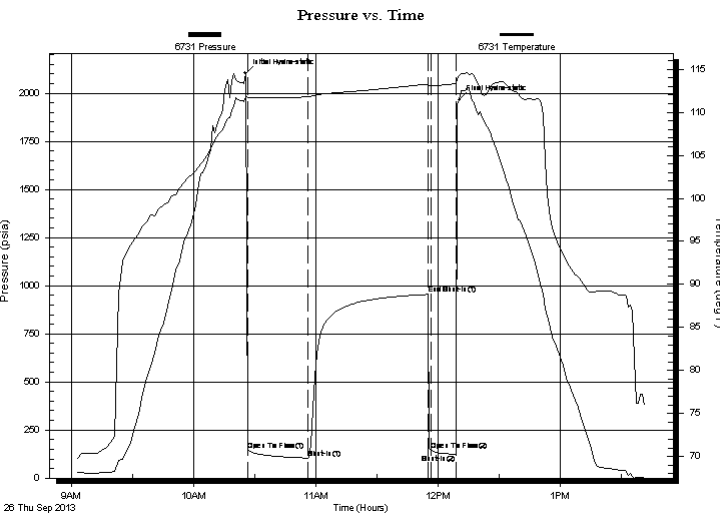
Start Time: 09:02:00

End Time: 13:42:00

Time On Btm: 2013.09.26 @ 10:25:30

Time Off Btm: 2013.09.26 @ 12:10:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 1/2 into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 10 Minutes-Very weak surge did not build
 2nd Shut-in- Pull tool



PRESSURE SUMMARY

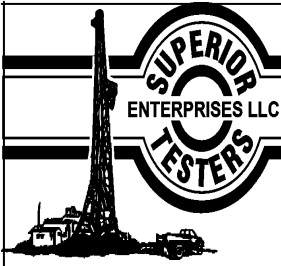
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2102.50	111.78	Initial Hydro-static
1	147.28	111.64	Open To Flow (1)
31	105.33	111.78	Shut-In(1)
90	954.22	113.29	End Shut-In(1)
91	142.70	113.07	Open To Flow (2)
104	123.33	113.33	Shut-In(2)
105	1964.16	114.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.30

Gas Rates

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



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18441

DST#: 2

Test Start: 2013.09.26 @ 09:02:00

GENERAL INFORMATION:

Formation: **Kansas City K & L zo**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:26:30

Time Test Ended: 13:42:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 33209-Great Bend-200

Interval: 4226.00 ft (KB) To 4295.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4295.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 946.24 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.26

End Date: 2013.09.26

Last Calib.: 2013.09.26

Start Time: 09:02:00

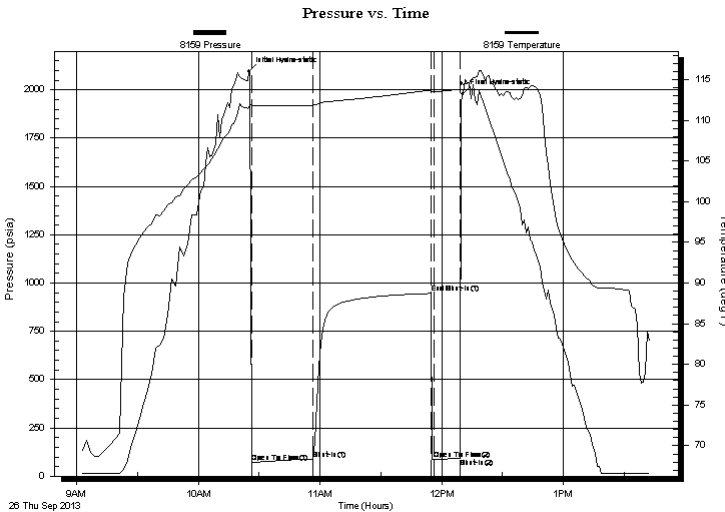
End Time: 13:42:30

Time On Btm: 2013.09.26 @ 10:25:00

Time Off Btm: 2013.09.26 @ 12:10:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 1/2 into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 10 Minutes-Very weak surge did not build
 2nd Shut-in- Pull tool

PRESSURE SUMMARY



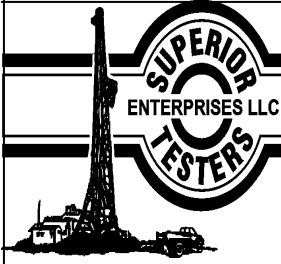
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2094.49	111.53	Initial Hydro-static
2	70.79	111.78	Open To Flow (1)
32	88.91	111.85	Shut-In(1)
90	946.24	113.72	End Shut-In(1)
91	87.32	113.51	Open To Flow (2)
104	92.71	113.85	Shut-In(2)
106	1978.81	114.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.30

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18441

DST#:2

ATTN: Jerry Smith

Test Start: 2013.09.26 @ 09:02:00

Tool Information

Drill Pipe:	Length: 4060.00 ft	Diameter: 3.80 inches	Volume: 56.95 bbl	Tool Weight: 1000.00 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: 150.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 57.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4226.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	97.00 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			4203.00	
Hydraulic Tool	5.00			4208.00	
Jars	6.00			4214.00	
Safety Joint	2.00			4216.00	
Packer	5.00			4221.00	28.00 Bottom Of Top Packer
Packer	5.00			4226.00	
Anchor	0.00			4226.00	
Change Over Sub	0.75			4226.75	
Drill Pipe	31.50			4258.25	
Change Over Sub	0.75			4259.00	
Anchor	31.00			4290.00	
Recorder	1.00	6731	Inside	4291.00	
Recorder	1.00	8159	Outside	4292.00	
Bullnose	3.00			4295.00	69.00 Bottom Packers & Anchor

Total Tool Length: 97.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18441

DST#: 2

ATTN: Jerry Smith

Test Start: 2013.09.26 @ 09:02:00

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

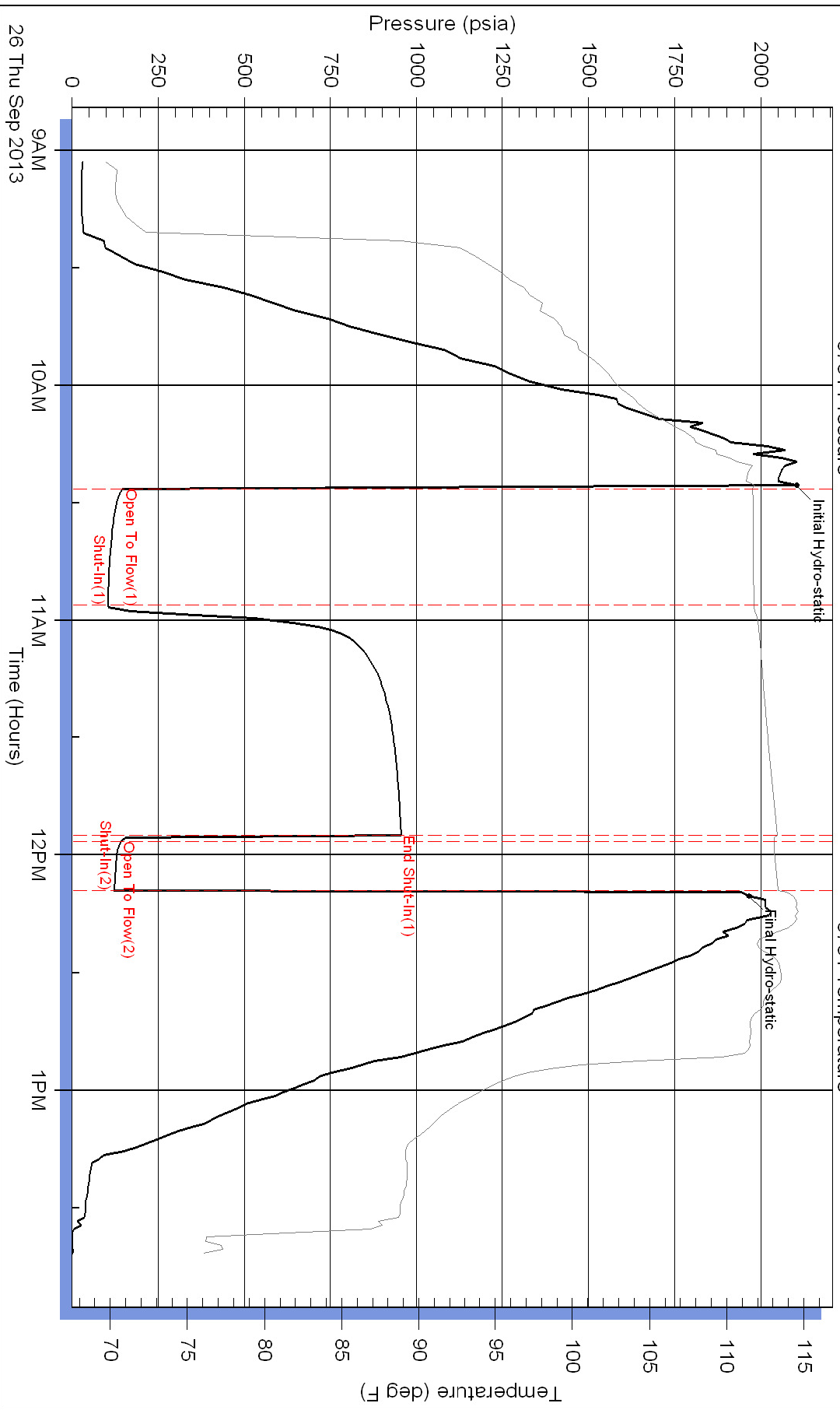
Serial #:

Laboratory Name:

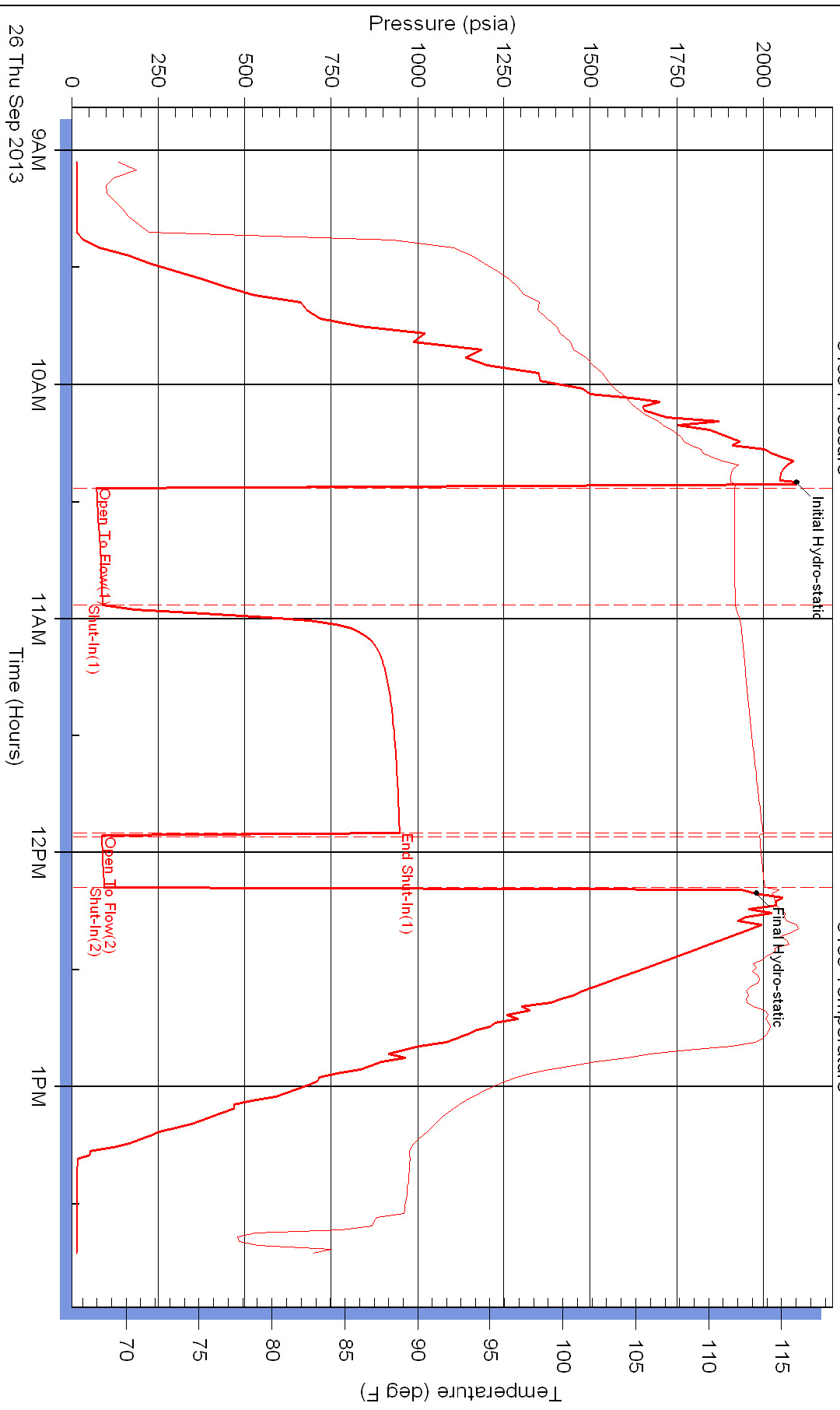
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pickrell Drillind Company**

100 S Main Ste 505 Wichita KS 67202+3738

ATTN: Jerry Smith

Rolf Trust "A" #1

30-16-26w Ness

Start Date: 2013.09.27 @ 22:15:00

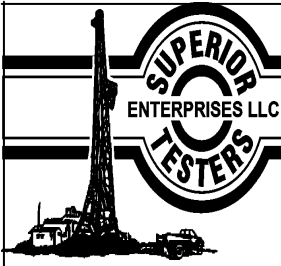
End Date: 2013.09.28 @ 06:57:30

Job Ticket #: 18442 DST #: 3

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

Printed: 2013.09.28 @ 07:13:55

Pickrell Drillind Company
30-16-26w Ness
Rolf Trust "A" #1
DST # 3
Ft Scott
2013.09.27



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18442

DST#: 3

Test Start: 2013.09.27 @ 22:15:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:01:00

Time Test Ended: 06:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-200

Interval: 4450.00 ft (KB) To 4512.00 ft (KB) (TVD)

Total Depth: 4512.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2669.00 ft (KB)

2661.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 313.74 psia @ ft (KB)

Start Date: 2013.09.27

End Date:

2013.09.28

Start Time: 22:15:00

End Time:

06:57:30

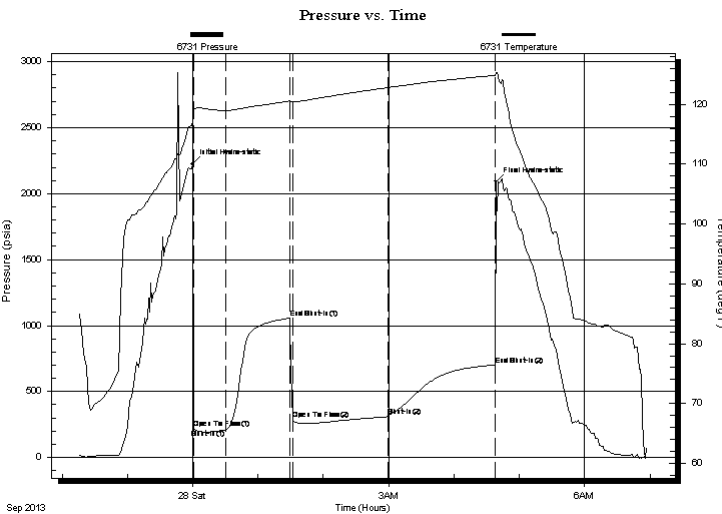
Capacity: 5000.00 psia

Last Calib.: 2013.09.28

Time On Btm: 2013.09.27 @ 23:59:30

Time Off Btm: 2013.09.28 @ 04:38:30

TEST COMMENT: 1st Opening 30 Minutes-Strong blow built bottom of bucket in 18 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 90 Minutes-Strong blow built bottom of bucket in 10 minutes
 2nd Shut-in 90 Minutes-Yes blow back



PRESSURE SUMMARY

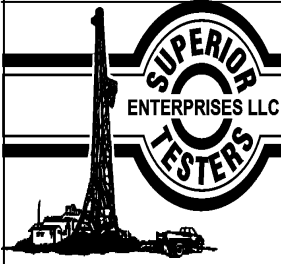
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2224.56	117.24	Initial Hydro-static
2	218.24	119.25	Open To Flow (1)
31	210.22	119.01	Shut-In(1)
90	1056.81	120.60	End Shut-In(1)
92	293.49	120.42	Open To Flow (2)
180	313.74	122.81	Shut-In(2)
278	703.16	124.84	End Shut-In(2)
279	2091.90	125.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mud cut gassy oil	2.84
0.00	20%mud 20%oil 60%gas	0.00
300.00	mud cut gassy oil	4.21
0.00	20%mud 40%oil 40%gas	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18442

DST#: 3

Test Start: 2013.09.27 @ 22:15:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:01:00

Time Test Ended: 06:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-200

Interval: 4450.00 ft (KB) To 4512.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4512.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 693.02 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.27

End Date: 2013.09.28

Last Calib.: 2013.09.28

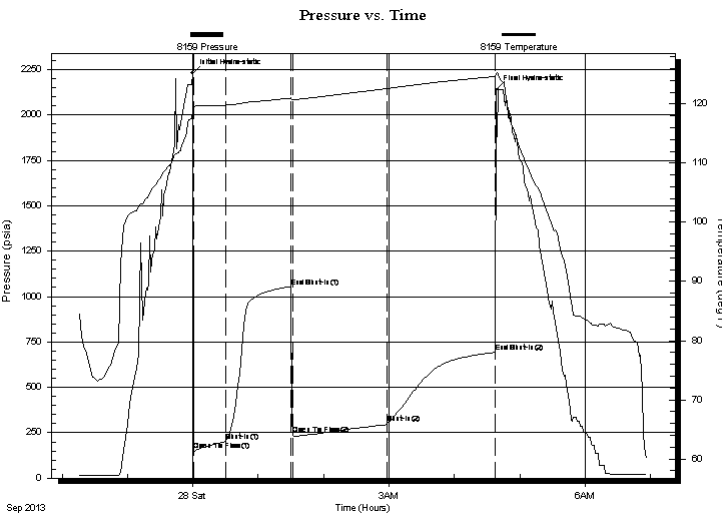
Start Time: 22:15:00

End Time: 06:57:00

Time On Btm: 2013.09.27 @ 23:59:30

Time Off Btm: 2013.09.28 @ 04:38:30

TEST COMMENT: 1st Opening 30 Minutes-Strong blow built bottom of bucket in 18 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 90 Minutes-Strong blow built bottom of bucket in 10 minutes
 2nd Shut-in 90 Minutes-Yes blow back



PRESSURE SUMMARY

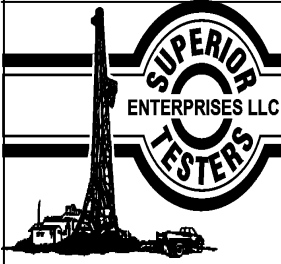
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2229.73	118.64	Initial Hydro-static
2	151.13	119.62	Open To Flow (1)
31	201.97	119.80	Shut-In(1)
91	1055.64	121.01	End Shut-In(1)
92	240.41	120.76	Open To Flow (2)
179	300.32	122.61	Shut-In(2)
278	693.02	124.63	End Shut-In(2)
279	2139.07	125.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mud cut gassy oil	2.84
0.00	20%mud 20%oil 60%gas	0.00
300.00	mud cut gassy oil	4.21
0.00	20%mud 40%oil 40%gas	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18442

DST#: 3

ATTN: Jerry Smith

Test Start: 2013.09.27 @ 22:15:00

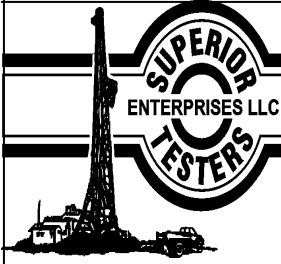
Tool Information

Drill Pipe:	Length: 4282.00 ft	Diameter: 3.80 inches	Volume: 60.07 bbl	Tool Weight: 1000.00 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: 150.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 60.81 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4450.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 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			4427.00	
Hydraulic Tool	5.00			4432.00	
Jars	6.00			4438.00	
Safety Joint	2.00			4440.00	
Packer	5.00			4445.00	28.00 Bottom Of Top Packer
Packer	5.00			4450.00	
Anchor	0.00			4450.00	
Change Over Sub	0.75			4450.75	
Drill Pipe	31.50			4482.25	
Change Over Sub	0.75			4483.00	
Anchor	24.00			4507.00	
Recorder	1.00	6731	Inside	4508.00	
Recorder	1.00	8159	Outside	4509.00	
Bullnose	3.00			4512.00	62.00 Bottom Packers & Anchor

Total Tool Length: 90.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18442

DST#: 3

ATTN: Jerry Smith

Test Start: 2013.09.27 @ 22:15:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	mud cut gassy oil	2.842
0.00	20%mud 20%oil 60%gas	0.000
300.00	mud cut gassy oil	4.208
0.00	20%mud 40%oil 40%gas	0.000

Total Length: 600.00 ft

Total Volume: 7.050 bbl

Num Fluid Samples: 0

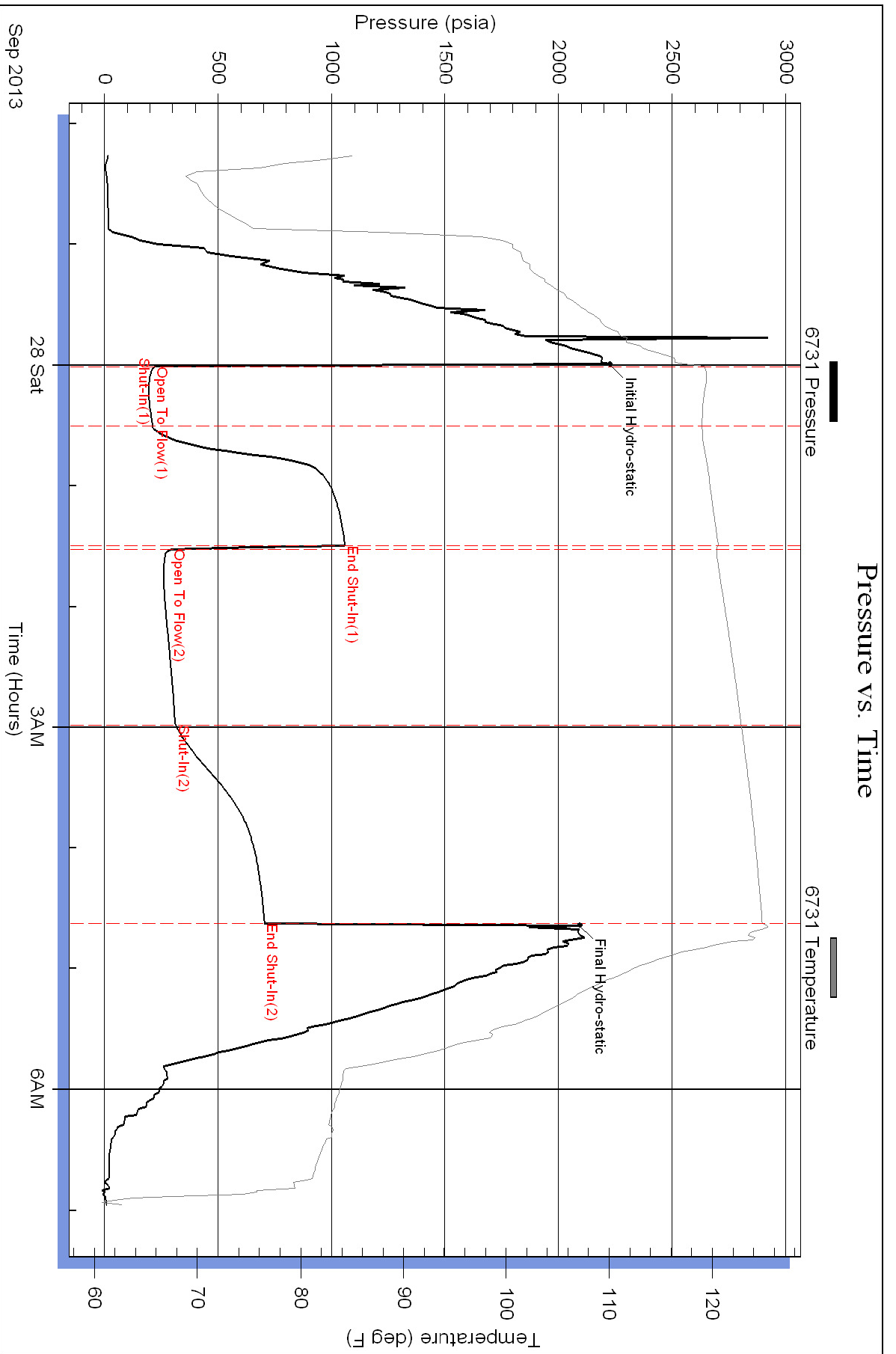
Num Gas Bombs: 0

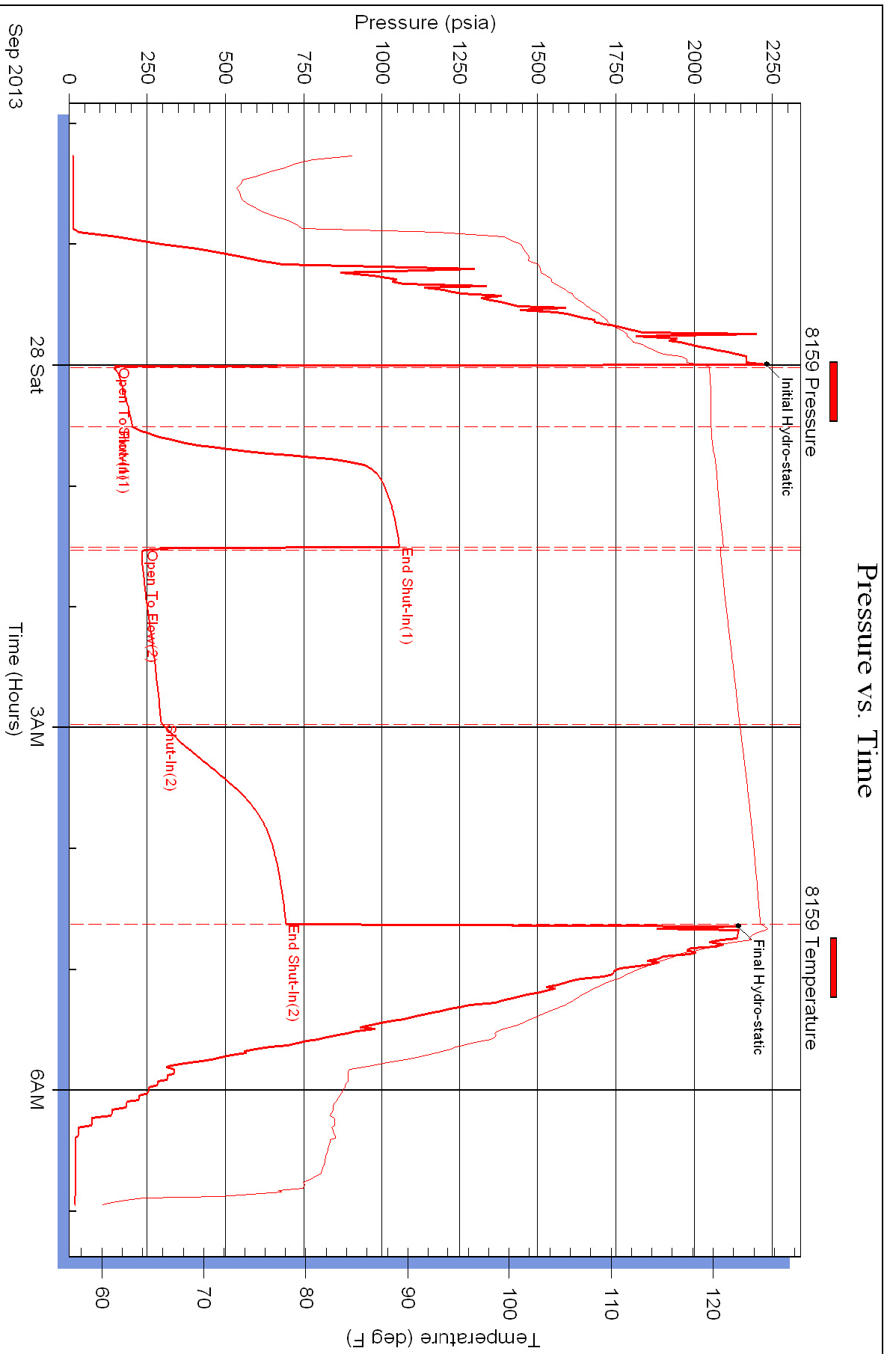
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Pickrell Drillind Company**

100 S Main Ste 505 Wichita KS 67202+3738

ATTN: Jerry Smith

Rolf Trust "A" #1

30-16-26w Ness

Start Date: 2013.09.28 @ 21:45:00

End Date: 2013.09.29 @ 05:05:00

Job Ticket #: 18443 DST #: 4

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

Printed: 2013.09.29 @ 05:29:34

Pickrell Drillind Company
30-16-26w Ness
Rolf Trust "A" #1
DST # 4
Mississippian
2013.09.28



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18443

DST#: 4

Test Start: 2013.09.28 @ 21:45:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:15:30

Time Test Ended: 05:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend -200

Interval: 4525.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 161.95 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.28

End Date:

2013.09.29

Last Calib.:

2013.09.29

Start Time: 21:45:00

End Time:

05:05:00

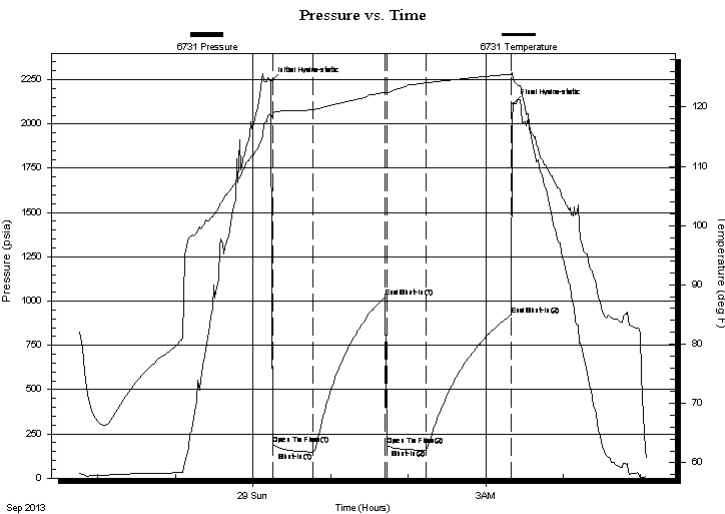
Time On Btm:

2013.09.29 @ 00:14:00

Time Off Btm:

2013.09.29 @ 03:21:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 2 inches into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Weak blow built 1/4 inch into water in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

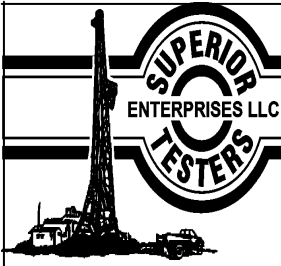
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2240.80	118.74	Initial Hydro-static
2	192.98	118.88	Open To Flow (1)
33	147.67	119.58	Shut-In(1)
89	1023.55	122.47	End Shut-In(1)
90	186.54	122.30	Open To Flow (2)
120	161.95	124.08	Shut-In(2)
186	923.07	125.53	End Shut-In(2)
188	2114.51	124.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	mud	0.74

Gas Rates

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



DRILL STEM TEST REPORT

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

ATTN: Jerry Smith

Job Ticket: 18443

DST#: 4

Test Start: 2013.09.28 @ 21:45:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:15:30

Time Test Ended: 05:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend -200

Interval: 4525.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 2669.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

2661.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 932.44 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.28

End Date:

2013.09.29

Last Calib.:

2013.09.29

Start Time: 21:45:00

End Time:

05:06:00

Time On Btm:

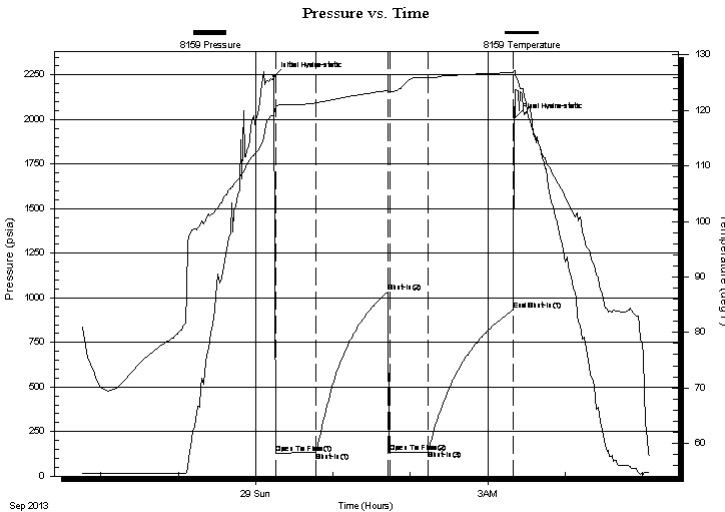
2013.09.29 @ 00:14:30

Time Off Btm:

2013.09.29 @ 03:21:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 2 inches into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Weak blow built 1/4 inch into water in 30 minutes
 2nd Shut-in 60 Minutes-No blow back

PRESSURE SUMMARY



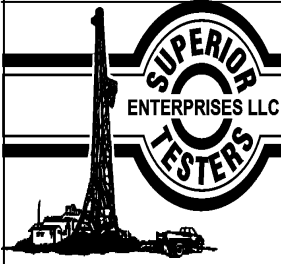
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2241.00	119.32	Initial Hydro-static
1	128.87	120.68	Open To Flow (1)
33	131.57	121.34	Shut-In(1)
88	1032.75	123.60	Shut-In(2)
90	131.71	123.34	Open To Flow (2)
120	146.08	125.84	Shut-In(3)
186	932.44	126.91	End Shut-In(1)
187	2010.52	127.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	mud	0.74

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drillind Company
 100 S Main Ste 505 Wichita KS 67202+3738
 ATTN: Jerry Smith

30-16-26w Ness
Rolf Trust "A" #1
 Job Ticket: 18443 **DST#: 4**
 Test Start: 2013.09.28 @ 21:45:00

Tool Information

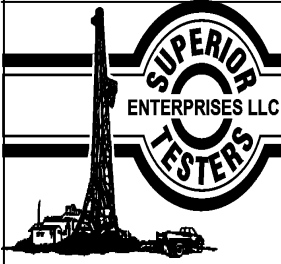
Drill Pipe:	Length: 4383.00 ft	Diameter: 3.80 inches	Volume: 61.48 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 150.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose:	150000.0 lb
			<u>Total Volume: 62.22 bbl</u>	Tool Chased	4.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	93000.00 lb
Depth to Top Packer:	4525.00 ft			Final	93000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	85.00 ft				
Tool Length:	107.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			4508.00	
Hydraulic Tool	5.00			4513.00	
Safety Joint	2.00			4515.00	
Packer	5.00			4520.00	22.00 Bottom Of Top Packer
Packer	5.00			4525.00	
Anchor	0.00			4525.00	
Change Over Sub	0.75			4525.75	
Drill Pipe	63.50			4589.25	
Change Over Sub	0.75			4590.00	
Anchor	15.00			4605.00	
Recorder	1.00	6731	Inside	4606.00	
Recorder	1.00	8159	Outside	4607.00	
Bullnose	3.00			4610.00	85.00 Bottom Packers & Anchor

Total Tool Length: 107.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drillind Company

30-16-26w Ness

100 S Main Ste 505 Wichita KS 67202+3738

Rolf Trust "A" #1

Job Ticket: 18443

DST#: 4

ATTN: Jerry Smith

Test Start: 2013.09.28 @ 21:45:00

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: 57.00 sec/qt

Cushion Volume: bbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	mud	0.738

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

