



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1246900  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back       Conv. to GSW       Conv. to Producer
- 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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1246900

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 717

Date	10-23-14	Sec.	26	Twp.	12	Range	15	County	Russell	State	KS	On Location		Finish	1:00AM
------	----------	------	----	------	----	-------	----	--------	---------	-------	----	-------------	--	--------	--------

Location Canyon Rd N to Dam Rd 1/2 W S into

Lease Stanger Valley "A" Well No. #1  
 Contractor Shields  
 Type Job Surface  
 Hole Size 12 1/4 T.D. 222'  
 Csg. 8 5/8 Depth 222'  
 Tbg. Size \_\_\_\_\_ Depth \_\_\_\_\_  
 Tool \_\_\_\_\_ Depth \_\_\_\_\_  
 Cement Left in Csg. 20' Shoe Joint \_\_\_\_\_  
 Meas Line \_\_\_\_\_ Displace 13 bbl

Owner  
 To Quality Oilwell Cementing, Inc.  
 You are hereby requested to rent cementing equipment and furnish  
 cementer and helper to assist owner or contractor to do work as listed.  
 Charge To Brungardt Oil  
 Street \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_  
 The above was done to satisfaction and supervision of owner agent or contractor.  
 Cement Amount Ordered 150 com 3% cc 2% gel

**EQUIPMENT**

Pumptrk	5	No.	Cementor	
			Helper	<u>David</u>
Bulktrk	15	No.	Driver	<u>Tyler</u>
			Driver	
Bulktrk	<u>PU</u>	No.	Driver	<u>Brett</u>
			Driver	

Common 150  
 Poz. Mix \_\_\_\_\_  
 Gel. 3  
 Calcium 0.5

**JOB SERVICES & REMARKS**

Remarks:  
 Rat Hole  
 Mouse Hole  
 Centralizers  
 Baskets  
 D/V or Port Collar

Hulls  
 Salt  
 Flowseal  
 Kol-Seal  
 Mud CLR 48  
 CFL-117 or CD110 CAF 38  
 Sand  
 Handling 158  
 Mileage \_\_\_\_\_

**FLOAT EQUIPMENT**

Cement  
Circulated!!

Guide Shoe  
 Centralizer  
 Baskets  
 AFU Inserts  
 Float Shoe  
 Latch Down  
 Pumptrk Charge Surface  
 Mileage 8

X Signature George Begler

Tax \_\_\_\_\_  
 Discount \_\_\_\_\_  
 Total Charge \_\_\_\_\_



# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BRUNGARDT OIL & LEASING, INC.

ELEVATIONS

LEASE STRANGER VALLEY A #1

KB 1808'

FIELD STRANGER VALLEY

LOCATION 1540' FSL 465' FEL

SEC 26 TWP 12S RGE 15W

COUNTY Russell STATE KANSAS

Measurements Are All From Kelly Bunker

CONTRACTOR SHIELDS DRILLING, INC.

SPUD 10-22-2014 COMP 10-28-2014

RTD 3330 (-1522) LTD \_\_\_\_\_

MUD UP 2600' TYPE MUD CHEMICAL

CASING SURFACE 8 5/8" PRODUCTION D.A.

ELECTRICAL SURVEYS RAG MICRO

SAMPLES SAVED FROM \_\_\_\_\_ TO \_\_\_\_\_ RTD

DRILLING TIME KEPT FROM \_\_\_\_\_ TO \_\_\_\_\_ RTD

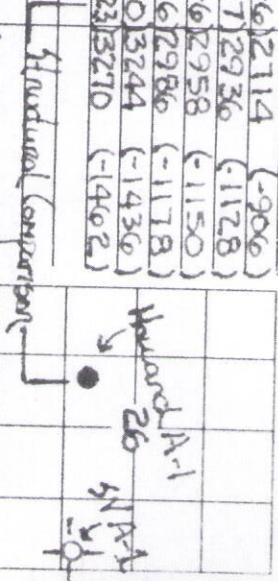
SAMPLES EXAMINED FROM \_\_\_\_\_ TO \_\_\_\_\_ RTD

GEOLOGICAL SUPERVISION FROM \_\_\_\_\_ TO \_\_\_\_\_ RTD

GEOLOGIST ON WELL BRAD J. HUTCHISON

FORMATION TOPS LOG SAMPLES

ANHYDRITE	814	+934 (+6)	816	(+932)
TOPEKA	2111	-903 (-6)	2114	(-906)
HEERKNER	2935	-1125 (-7)	2936	(-1128)
TORONTO	2953	-1145 (-6)	2958	(-1150)
LANSHIRE	2984	-1176 (-6)	2986	(-1178)
BASE KANSAS (1)	3229	-1431 (-10)	3244	(-1436)
W. ARBUCKLE	3275	-1485 (-23)	3270	(-1482)




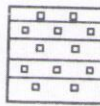
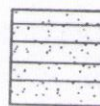


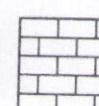
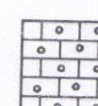
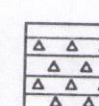
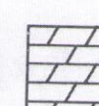
REMARKS It was recommended based on the three (3) negative drillstem tests, and there being no zones worthy of any further testing, that the STRANGER VALLEY A #1, be plugged and abandoned at a rotary total depth of 3330 (-1522).

Daily Progress:

10/22	MIRU
23	Surface pipe set
24	1580
25	DST-1
26	DST-2
27	DST-3
28	3330 RTD

Respectfully Submitted,  
Brad J. Hutchison  
 Brad J. Hutchison

## LEGEND

-  Anhydrite
-  Salt
-  Sandstone
-  Shale
-  Carb sh
-  Limestone
-  Ooi. Lime
-  Chert
-  Dolomite



Anhydrite Salt Sandstone Shale Carb sh Limestone Ool.Lime Chert Dolomite

LITHOLOGY

DEPTH

DRILLING TIME  
(Logarithmic Scale)

SAMPLE DESCRIPTIONS

REMARKS

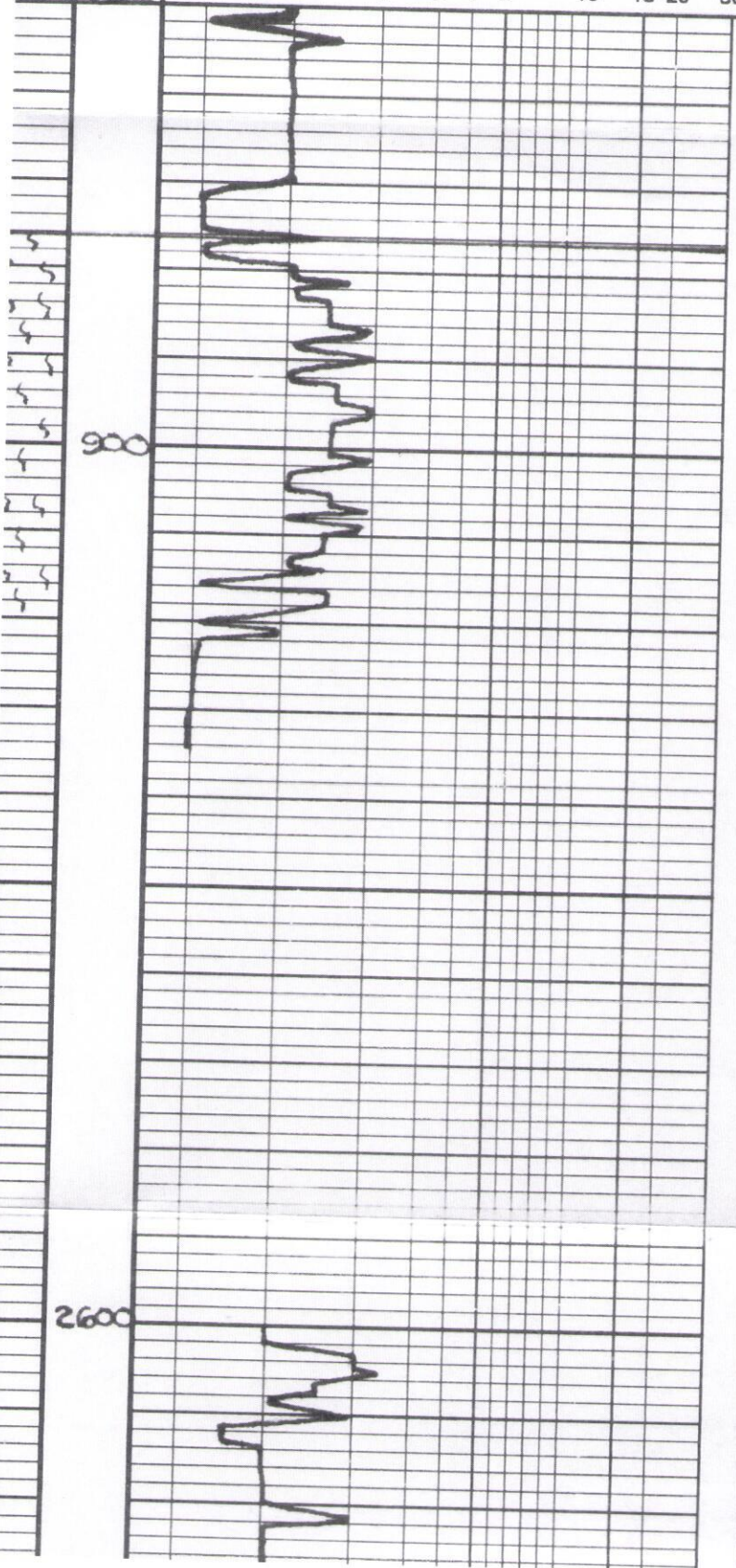
.5 1 2 3 4 5 10 15 20 30

880

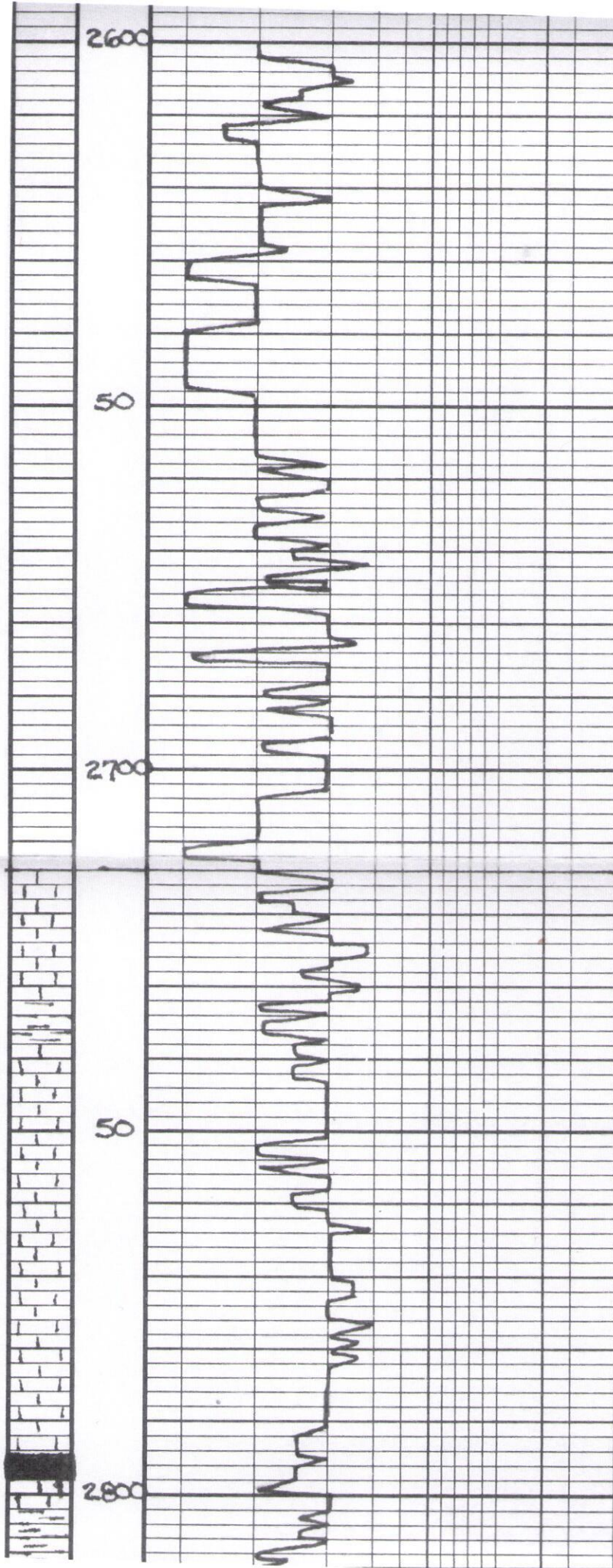
980

2600

ANHY 876 (+932)







TOPEKA 2714 (-906)

LS wht-cream fine-chalky  
 fr ppt pp of v. chalky  
 gd blk brn brn - bot (even)  
 SFO FR odor

sh gry

LS gry med highly foss

sh gry LS AA

LS buff-cream fine  
 highly foss FR A

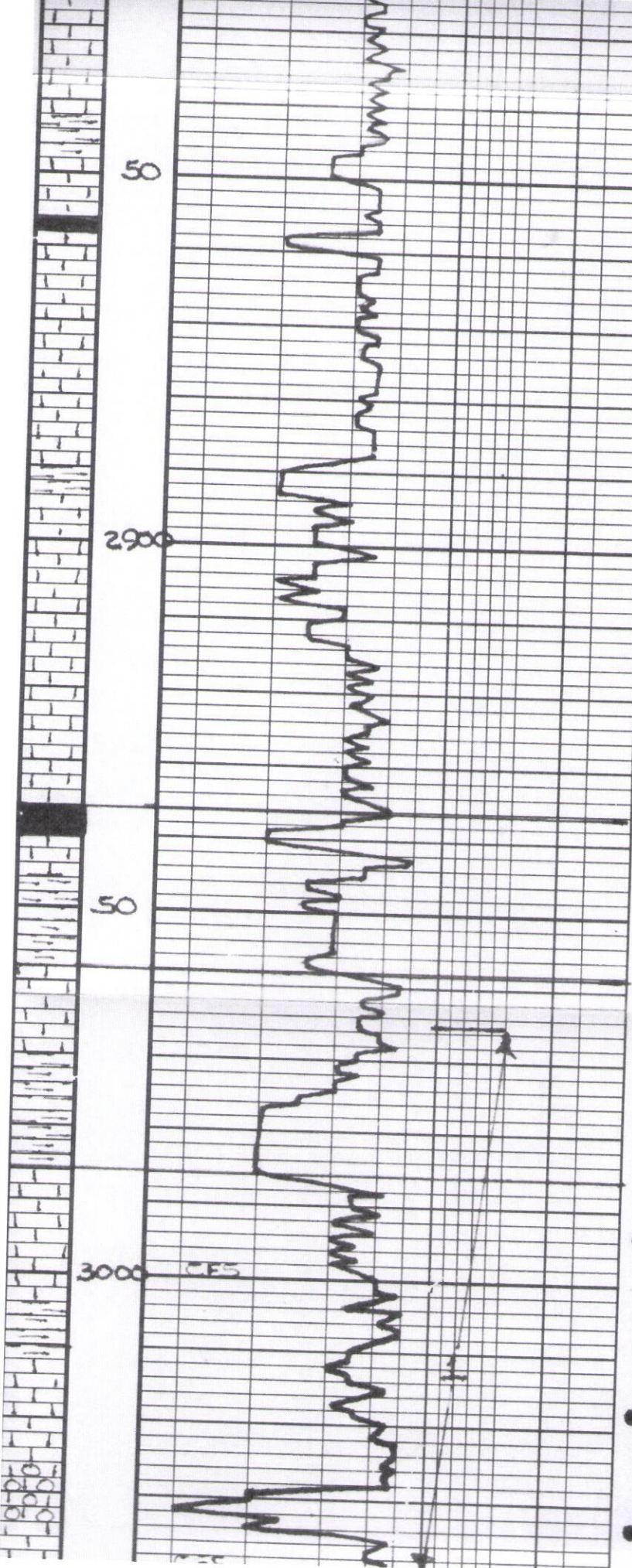
abund<sup>2</sup> wstt chalky  
 LS,

LS AA blk gry foss LS

sh blk carb

LS cream wht highly  
 chalky fine





blaky

same area.

a.a. full gry sh

sh blk carb.

ls carb. wht FNXL  
see loss

same. A.A.

sh gry

LS lt gry FNXL sl loss

see TR spt lt drn sten  
NEO or odd TR up pp  
or

wh wht chunky ss

LS gry dol. w/abund  
wht chnk.

HEEBNER 2936 (-1128)

sh blk carb.

sh gry - pale grn

TORONTO 2958 (-1150)

ls carb wht blaky  
sl loss

sh blk gry  
blk carb.

LANSING 2986 (-1198)

ls wht carb FNXL chunky  
sl loss TR poorly dev pp  
sl loss of TR spt led sta  
NEO sl odor abund wht  
chnk.

sh gry - pale grn.

sh blk carb.

ls carb wht FNXL dol.  
loss spt int dol - sl vngg  
spt lt brn sta TR po  
FT odor abund berry wht  
A.

ls gry FNXL dol - occ.  
of loc of FR - gd sctd  
of sta out of sctd loggy  
of odor

DST-1, 2965-30

30.30.60.6

IF. BUILT TO 6'

FF. BUILT TO 7'

REC. 85' MUD

25' Muddy wa

SIP (425-42

FP (29-72) X 72

HSK (1442-14



LS with fine SL loss  
w/ abund water content  
ND

SL of LS R.A.

LS grey v. disc  
w/ water grey stain

BKC. 3244 (-1436)

SL grey - pale grey  
(granular)

W.

ARABBLE 3270 (-1462)

Dolo (t brn disc. TR.  
asphaltic 570.

LS R.A. w/ abund grey  
sh.

VC SL and abund  
VC A 006.

Same R.A.

Dolo grey disc.

Abund honey with A.  
some waxy  
ND

50

3300

CE5





## DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

213 W 7th St Box 871  
Russell KS 67665-1731

ATTN: Brad Hutchison

### **Stranger Valley A #1**

#### **26 12s 15w Russell,KS**

Start Date: 2014.10.26 @ 07:07:00

End Date: 2014.10.26 @ 13:07:00

Job Ticket #: 60607                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.30 @ 13:14:51





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60607

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2014.10.26 @ 07:07:00

## GENERAL INFORMATION:

Formation: **LKC " A - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:53:30

Time Test Ended: 13:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

**Interval: 2965.00 ft (KB) To 3040.00 ft (KB) (TVD)**

Reference Elevations: 1808.00 ft (KB)

Total Depth: 3040.00 ft (KB) (TVD)

1803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8289**

**Inside**

Press@RunDepth: 119.98 psig @ 2973.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.26

End Date:

2014.10.26

Last Calib.:

2014.10.26

Start Time:

07:07:02

End Time:

13:07:15

Time On Btm:

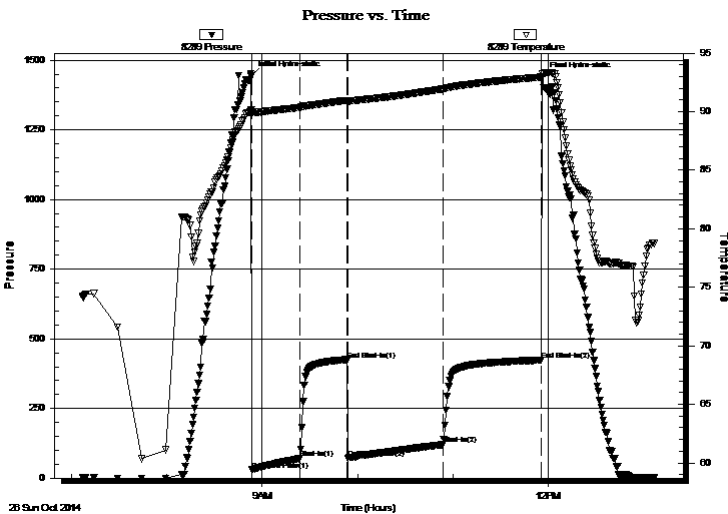
2014.10.26 @ 08:53:00

Time Off Btm:

2014.10.26 @ 11:56:30

**TEST COMMENT:** 30-IFP- Surface Blow Building to 6"  
30-ISIP- No Blow  
60-FFP- Surface Blow Building to 7 1/2"  
60-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1442.87	90.15	Initial Hydro-static
1	29.52	89.89	Open To Flow (1)
31	72.08	90.36	Shut-In(1)
61	425.40	90.96	End Shut-In(1)
61	72.19	90.86	Open To Flow (2)
121	119.98	91.94	Shut-In(2)
183	423.09	92.95	End Shut-In(2)
184	1439.84	93.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 25% m 75% w	0.92
85.00	Mud 100% Show of Oil	0.62

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

213 W 7th St Box 871  
Russell KS 67665-1731

ATTN: Brad Hutchison

**26 12s 15w Russell,KS**

**Stranger Valley A #1**

Job Ticket: 60607

**DST#: 1**

Test Start: 2014.10.26 @ 07:07:00

## GENERAL INFORMATION:

Formation: **LKC "A - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:53:30

Time Test Ended: 13:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

**Interval: 2965.00 ft (KB) To 3040.00 ft (KB) (TVD)**

Total Depth: 3040.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1808.00 ft (KB)

1803.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6668**

**Outside**

Press@RunDepth: psig @ 2973.00 ft (KB)

Start Date: 2014.10.26

End Date: 2014.10.26

Start Time: 07:07:02

End Time: 13:07:15

Capacity: 8000.00 psig

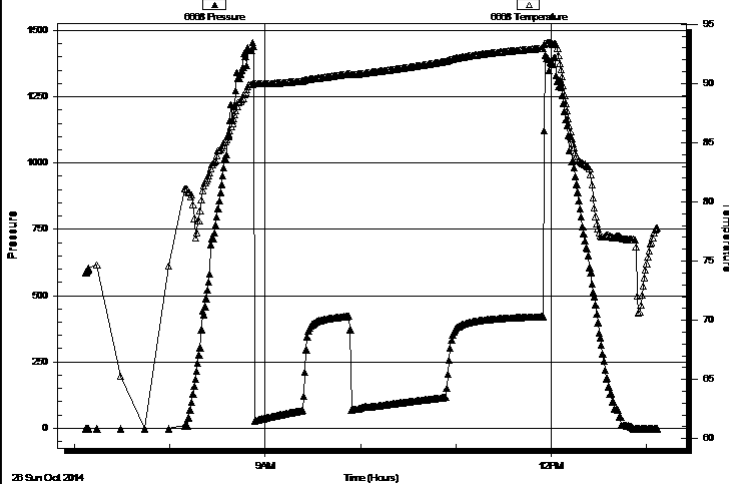
Last Calib.: 2014.10.26

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- Surface Blow Building to 6"  
30-ISIP- No Blow  
60-FFP- Surface Blow Building to 7 1/2"  
60-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 25% m 75% w	0.92
85.00	Mud 100% Show of Oil	0.62

Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60607

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2014.10.26 @ 07:07:00

## Tool Information

Drill Pipe:	Length: 2517.00 ft	Diameter: 3.80 inches	Volume: 35.31 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 436.00 ft	Diameter: 2.75 inches	Volume: 3.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 38.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	2965.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	96.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2945.00	
Shut In Tool	5.00			2950.00	
Hydraulic tool	5.00			2955.00	
Packer	5.00			2960.00	21.00 Bottom Of Top Packer
Packer	5.00			2965.00	
Stubb	1.00			2966.00	
Perforations	6.00			2972.00	
Change Over Sub	1.00			2973.00	
Recorder	0.00	8289	Inside	2973.00	
Recorder	0.00	6668	Outside	2973.00	
Blank Spacing	63.00			3036.00	
Change Over Sub	1.00			3037.00	
Bullnose	3.00			3040.00	75.00 Bottom Packers & Anchor

**Total Tool Length: 96.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60607

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2014.10.26 @ 07:07:00

## 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:

22000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	MCW 25% m 75% w	0.918
85.00	Mud 100% Show of Oil	0.624

Total Length: 210.00 ft

Total Volume: 1.542 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

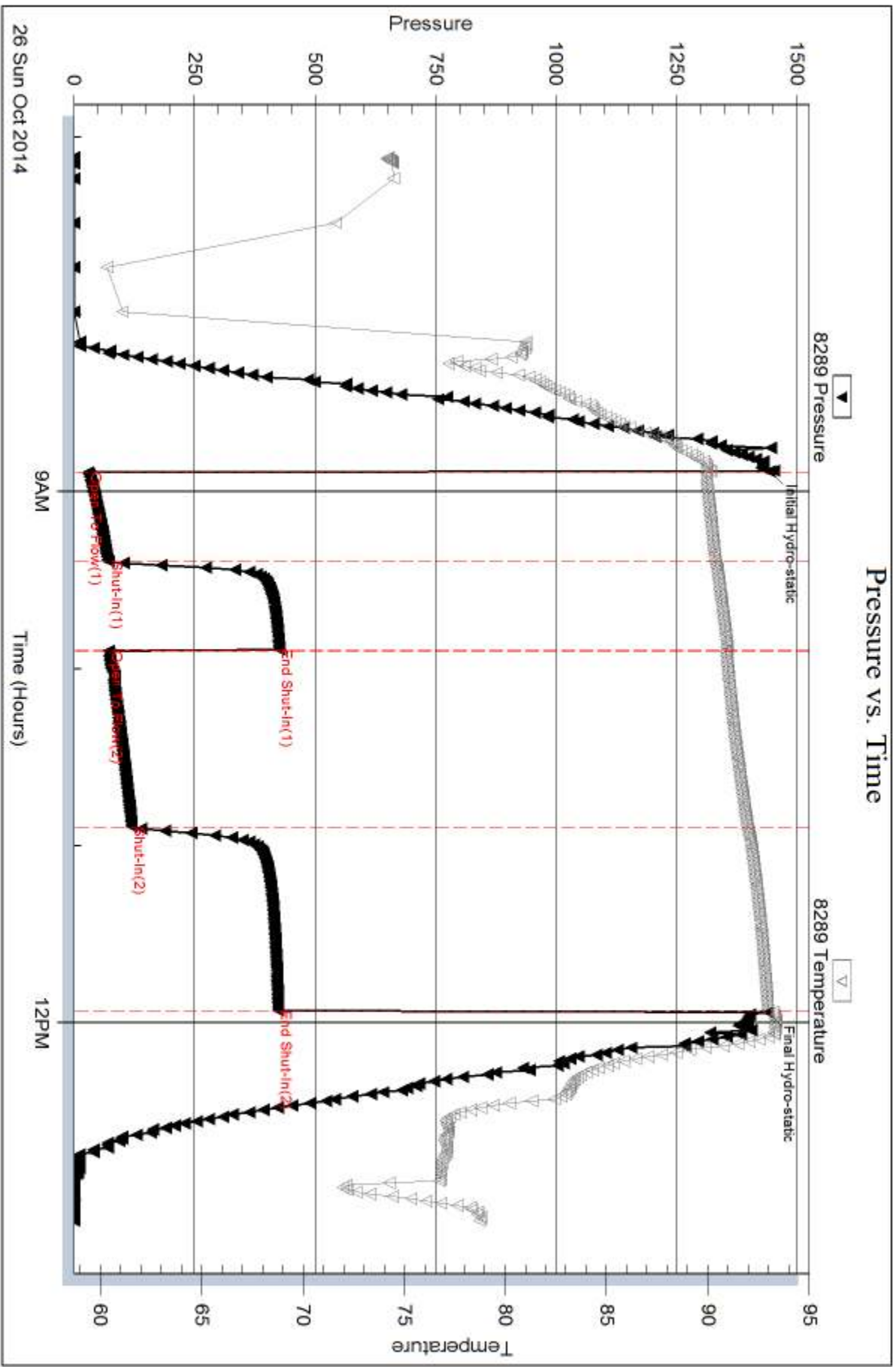
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .275 @ 78



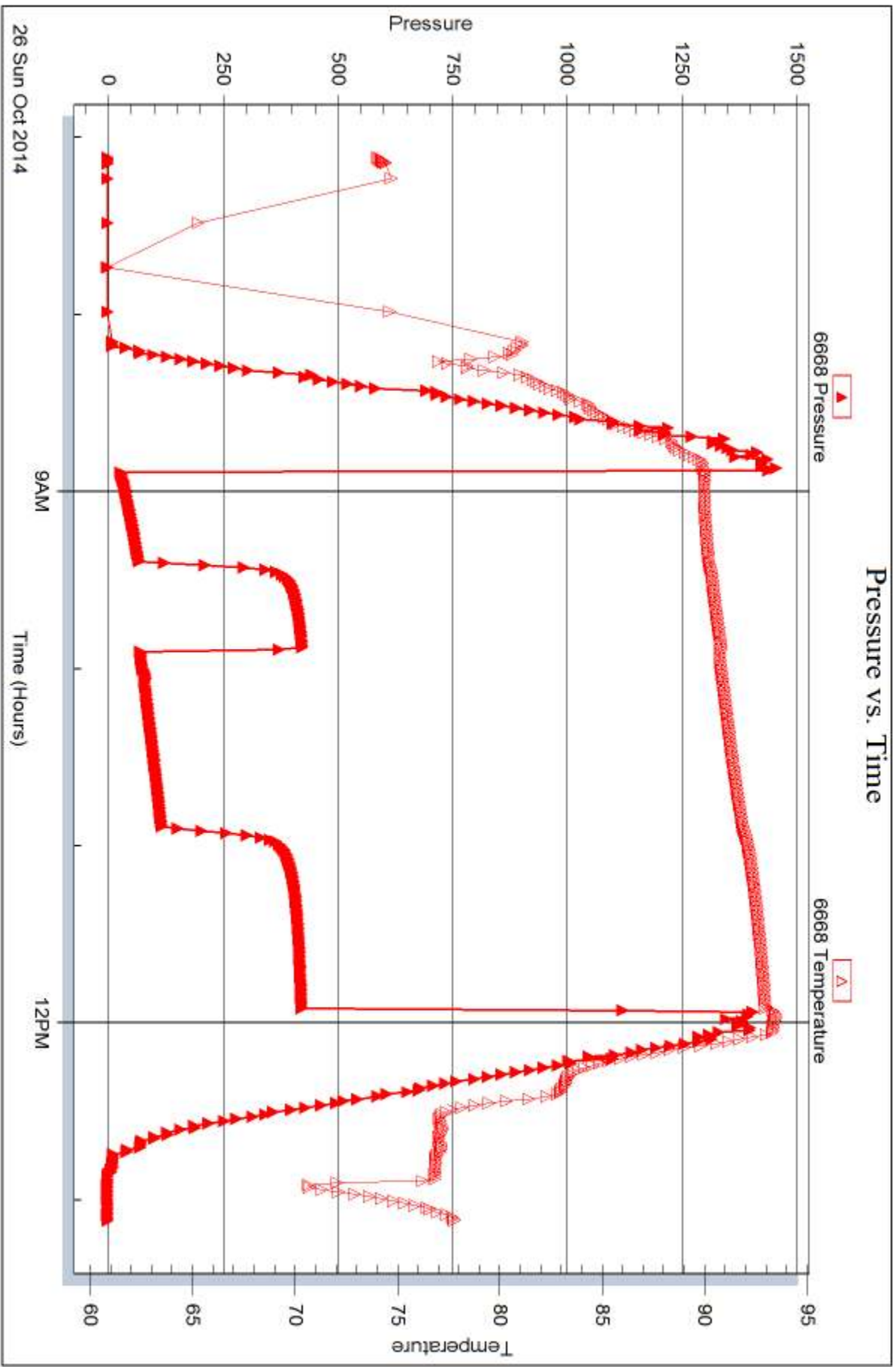


Serial #: 6668

Outside Brungardt Oil & Leasing Inc

Stranger Valley A #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60607

Printed: 2014, 10:30 @ 13:14:52





## DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

213 W 7th St Box 871  
Russell KS 67665-1731

ATTN: Brad Hutchison

### **Stranger Valley A #1**

#### **26 12s 15w Russell,KS**

Start Date: 2014.10.26 @ 20:10:00

End Date: 2014.10.27 @ 00:19:00

Job Ticket #: 60608                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.30 @ 13:14:26



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60608

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2014.10.26 @ 20:10:00

## GENERAL INFORMATION:

Formation: **LKC " E & F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:02:15

Time Test Ended: 00:19:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3050.00 ft (KB) To 3080.00 ft (KB) (TVD)**

Reference Elevations: 1808.00 ft (KB)

Total Depth: 3080.00 ft (KB) (TVD)

1803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8289**

**Inside**

Press@RunDepth: 22.36 psig @ 3057.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.26

End Date:

2014.10.27

Last Calib.: 2014.10.27

Start Time: 20:10:02

End Time:

00:19:00

Time On Btm: 2014.10.26 @ 22:02:00

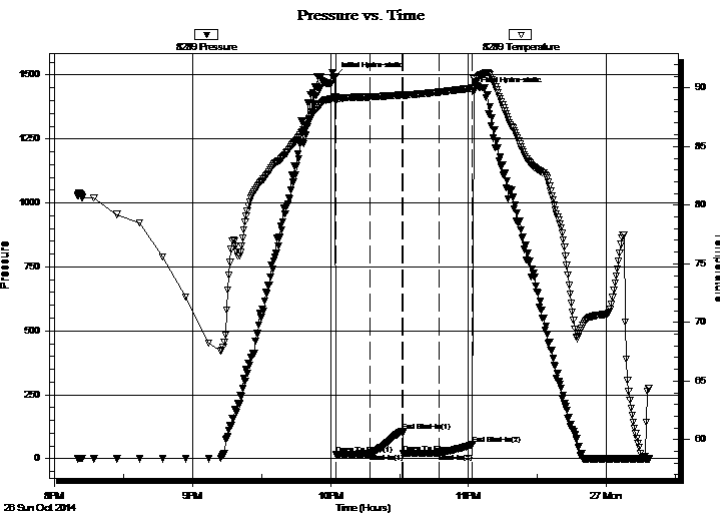
Time Off Btm: 2014.10.26 @ 23:02:15

TEST COMMENT: 15-IFP- 1/4" Weak Blow

15-ISIP- No Blow

15-FFP- No Blow

15-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1494.47	89.21	Initial Hydro-static
1	16.23	88.82	Open To Flow (1)
15	20.46	89.24	Shut-In(1)
29	108.37	89.41	End Shut-In(1)
30	20.44	89.38	Open To Flow (2)
45	22.36	89.64	Shut-In(2)
60	55.64	89.99	End Shut-In(2)
61	1437.19	90.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.04

\* Recovery from multiple tests

## Gas Rates

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





# DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60608 **DST#: 2**

ATTN: Brad Hutchison

Test Start: 2014.10.26 @ 20:10:00

## GENERAL INFORMATION:

Formation: **LKC " E & F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:02:15

Time Test Ended: 00:19:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3050.00 ft (KB) To 3080.00 ft (KB) (TVD)**

Reference Elevations: 1808.00 ft (KB)

Total Depth: 3080.00 ft (KB) (TVD)

1803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6668** **Outside**

Press@RunDepth: psig @ 3057.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.26 End Date: 2014.10.27

Last Calib.: 2014.10.27

Start Time: 20:10:02 End Time: 00:18:45

Time On Btm:

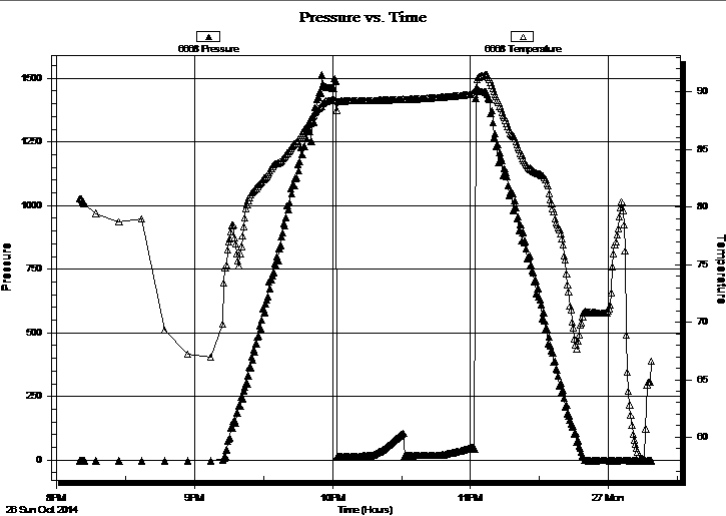
Time Off Btm:

TEST COMMENT: 15-IFP- 1/4" Weak Blow

15-ISIP- No Blow

15-FFP- No Blow

15-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.04

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60608

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2014.10.26 @ 20:10:00

## Tool Information

Drill Pipe:	Length: 2613.00 ft	Diameter: 3.80 inches	Volume: 36.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 436.00 ft	Diameter: 2.75 inches	Volume: 3.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 39.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3050.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3030.00	
Shut In Tool	5.00			3035.00	
Hydraulic tool	5.00			3040.00	
Packer	5.00			3045.00	21.00 Bottom Of Top Packer
Packer	5.00			3050.00	
Stubb	1.00			3051.00	
Perforations	6.00			3057.00	
Recorder	0.00	8289	Inside	3057.00	
Recorder	0.00	6668	Outside	3057.00	
Perforations	20.00			3077.00	
Bullnose	3.00			3080.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60608

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2014.10.26 @ 20:10:00

### 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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.037

Total Length: 5.00 ft      Total Volume: 0.037 bbl

Num Fluid Samples: 0

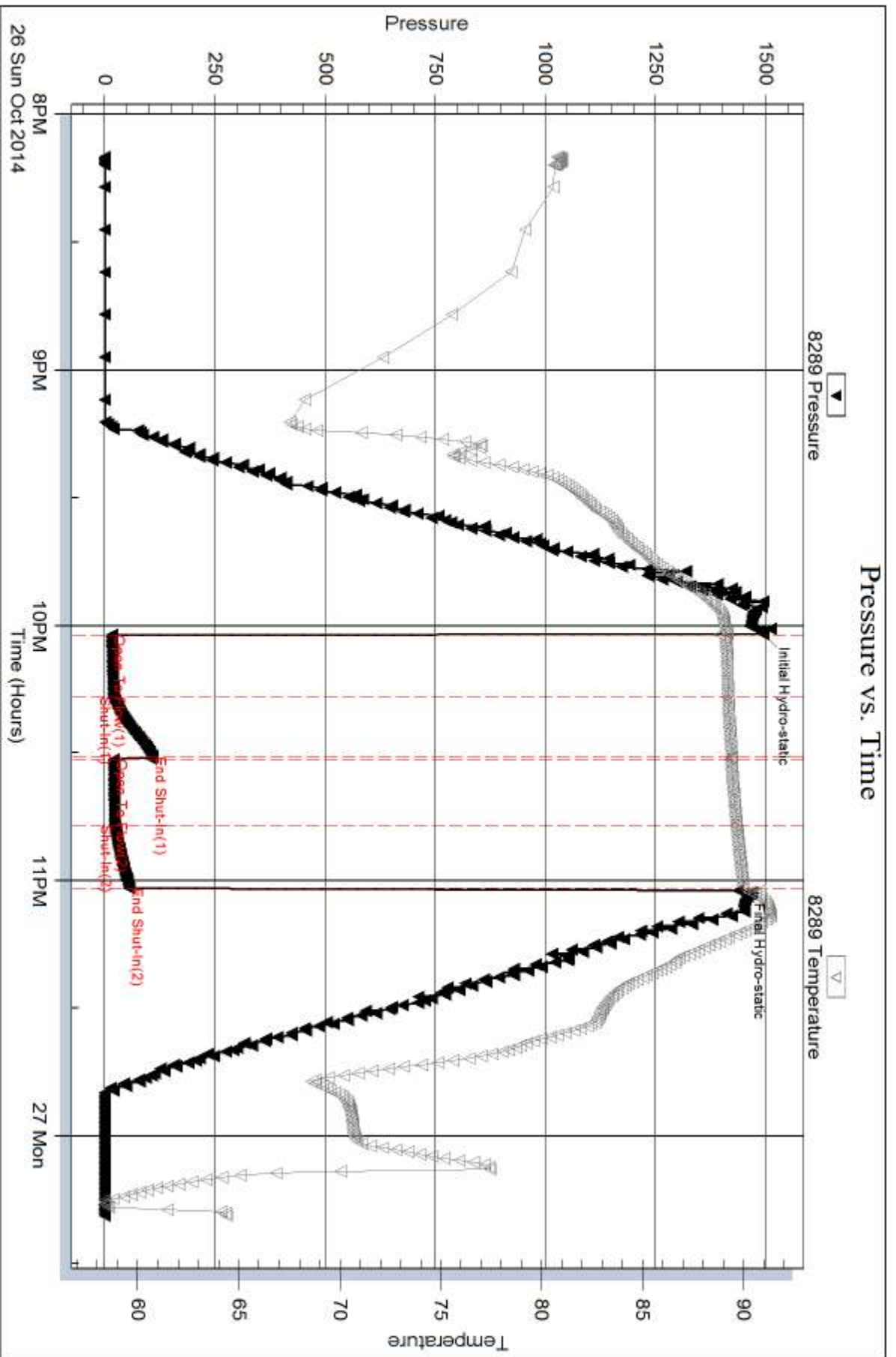
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



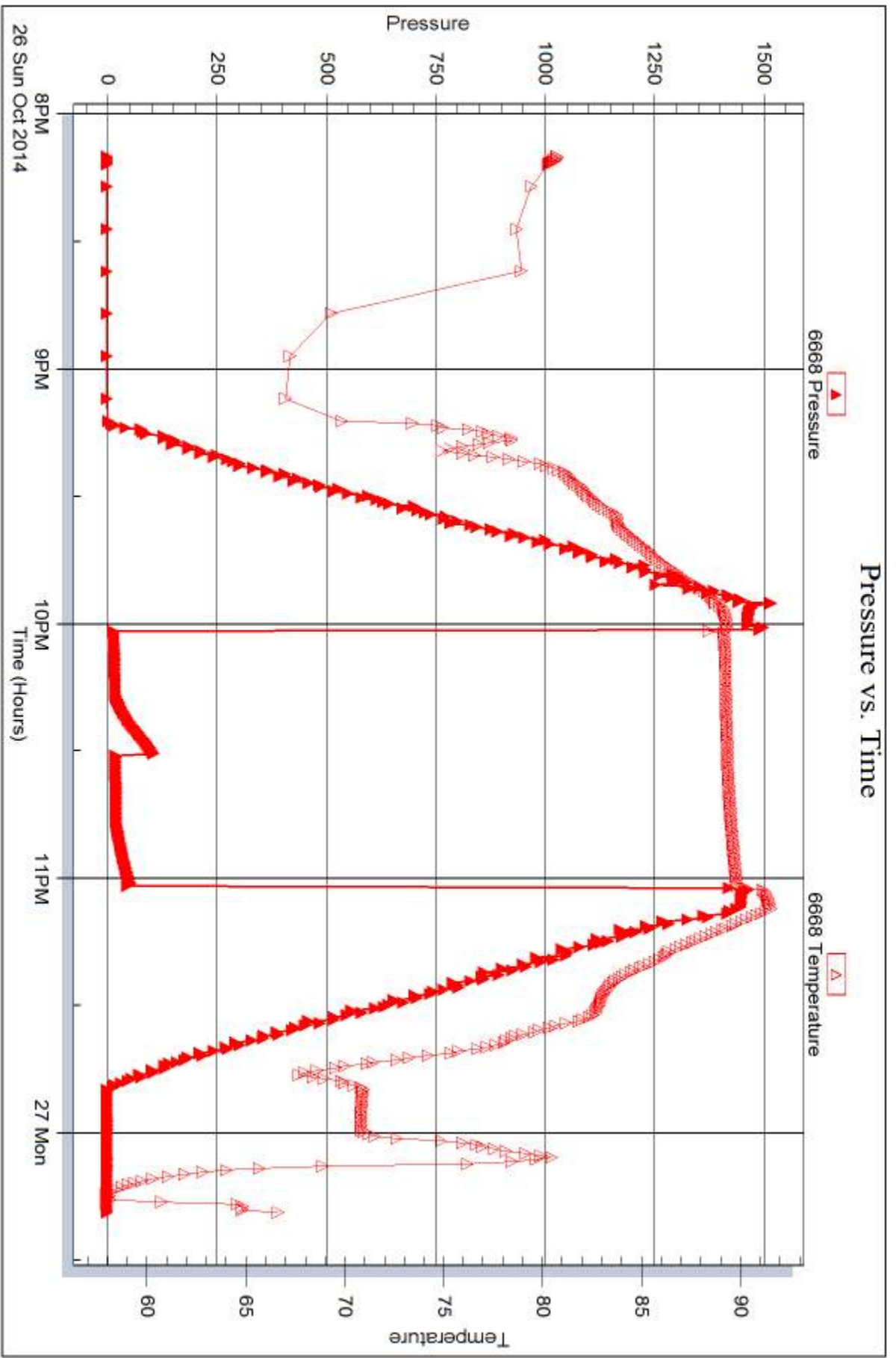


Serial #: 6668

Outside Brungardt Oil & Leasing Inc

Stranger Valley A #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 60608

Printed: 2014, 10:30 @ 13:14:27



## DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

213 W 7th St Box 871  
Russell KS 67665-1731

ATTN: Brad Hutchison

### **Stranger Valley A #1**

#### **26 12s 15w Russell,KS**

Start Date: 2014.10.27 @ 12:50:00

End Date: 2014.10.27 @ 16:56:00

Job Ticket #: 60609                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.30 @ 13:13:57



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60609

**DST#: 3**

ATTN: Brad Hutchison

Test Start: 2014.10.27 @ 12:50:00

## GENERAL INFORMATION:

Formation: **LKC "I & J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:42:30

Time Test Ended: 16:56:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3135.00 ft (KB) To 3200.00 ft (KB) (TVD)**

Reference Elevations: 1808.00 ft (KB)

Total Depth: 3200.00 ft (KB) (TVD)

1803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8289**

**Inside**

Press@RunDepth: 20.23 psig @ 3142.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.27

End Date:

2014.10.27

Last Calib.:

2014.10.27

Start Time: 12:50:02

End Time:

16:56:00

Time On Btm:

2014.10.27 @ 14:42:15

Time Off Btm:

2014.10.27 @ 15:43:30

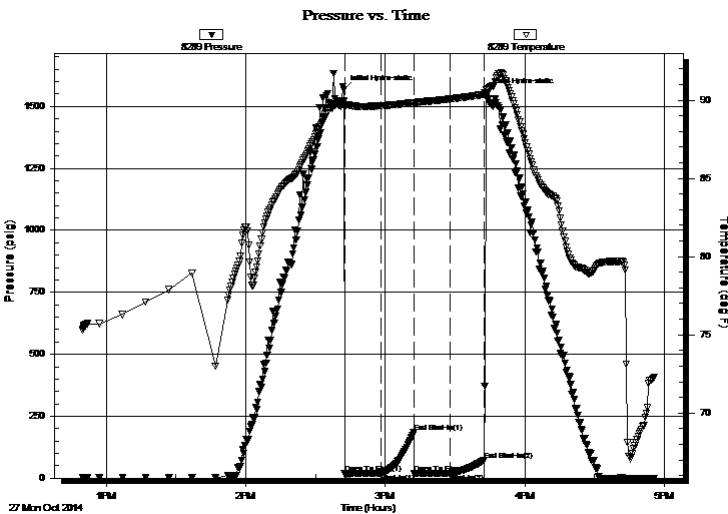
TEST COMMENT: 15-IFP- Weak 1/4" Blow Died in 12 min.

15-ISIP- No Blow

15-FFP- No Blow

15-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1568.24	89.94	Initial Hydro-static
1	17.62	89.52	Open To Flow (1)
16	19.98	89.64	Shut-In(1)
30	184.97	89.86	End Shut-In(1)
31	19.83	89.76	Open To Flow (2)
46	20.23	90.08	Shut-In(2)
61	73.35	90.37	End Shut-In(2)
62	1554.85	90.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.01

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60609

**DST#: 3**

ATTN: Brad Hutchison

Test Start: 2014.10.27 @ 12:50:00

## Tool Information

Drill Pipe:	Length: 2706.00 ft	Diameter: 3.80 inches	Volume: 37.96 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 436.00 ft	Diameter: 2.75 inches	Volume: 3.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 41.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3135.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3115.00	
Shut In Tool	5.00			3120.00	
Hydraulic tool	5.00			3125.00	
Packer	5.00			3130.00	21.00 Bottom Of Top Packer
Packer	5.00			3135.00	
Stubb	1.00			3136.00	
Perforations	6.00			3142.00	
Recorder	0.00	8289	Inside	3142.00	
Recorder	0.00	6668	Outside	3142.00	
Perforations	21.00			3163.00	
Change Over Sub	1.00			3164.00	
Blank Spacing	32.00			3196.00	
Change Over Sub	1.00			3197.00	
Bullnose	3.00			3200.00	65.00 Bottom Packers & Anchor

**Total Tool Length: 86.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Brungardt Oil & Leasing Inc

**26 12s 15w Russell, KS**

213 W 7th St Box 871  
Russell KS 67665-1731

**Stranger Valley A #1**

Job Ticket: 60609

**DST#: 3**

ATTN: Brad Hutchison

Test Start: 2014.10.27 @ 12:50:00

### 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%	0.015

Total Length: 2.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



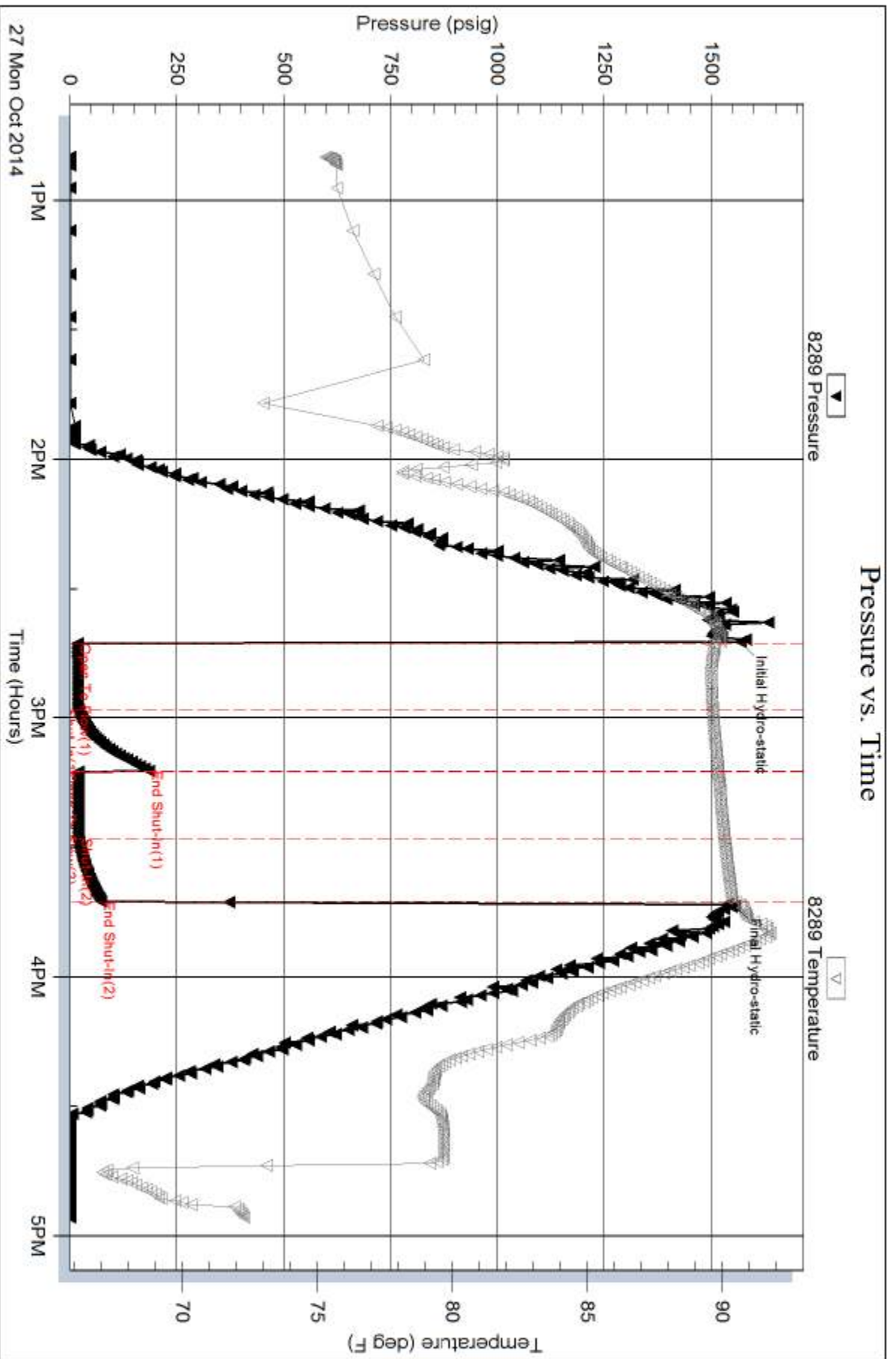
Serial #: 8289

Inside

Brungardt Oil & Leasing Inc

Stranger Valley A #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60609

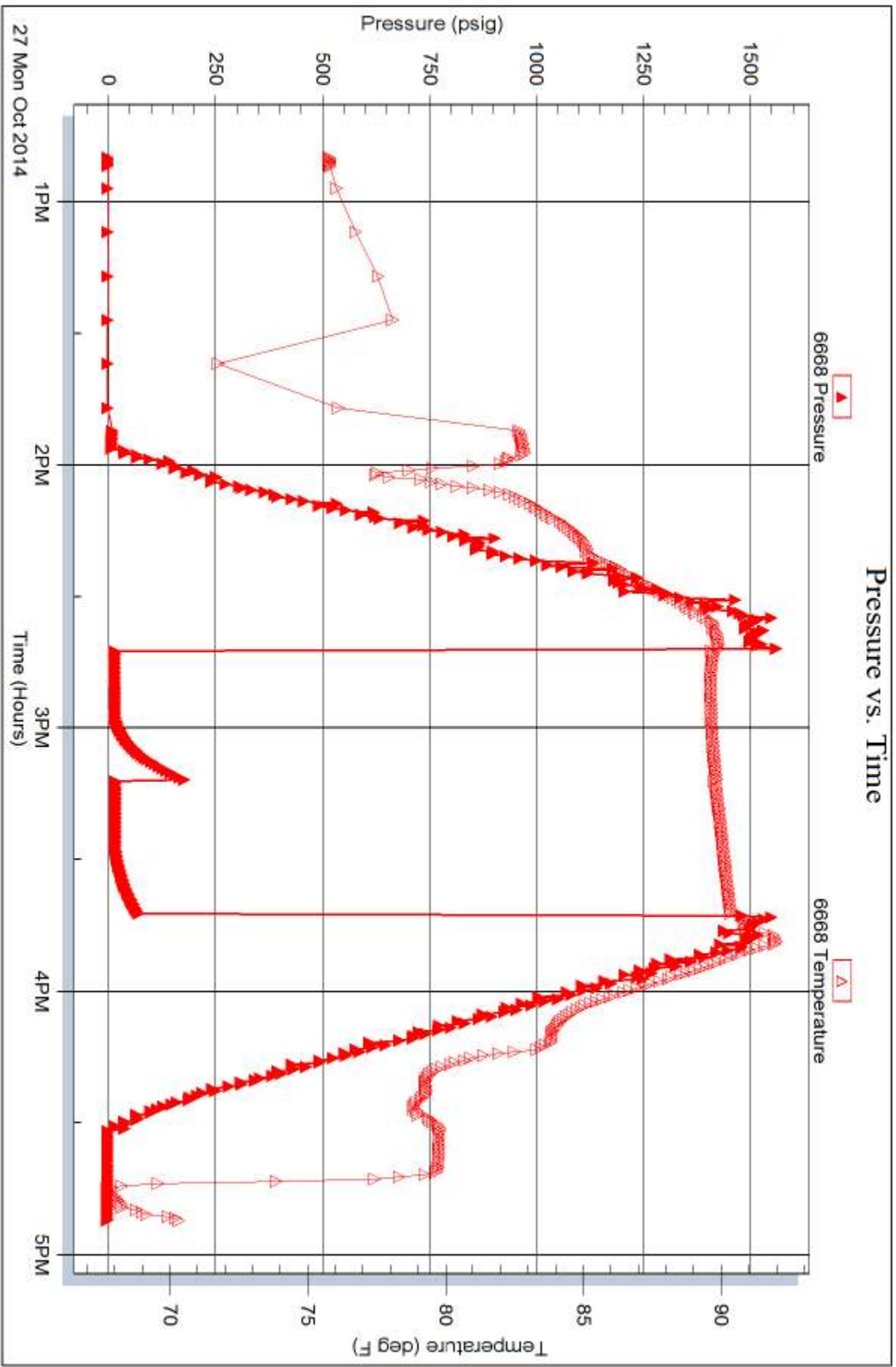
Printed: 2014, 10:30 @ 13:13:58

Serial #: 6668

Outside Brungardt Oil & Leasing Inc

Stranger Valley A #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60609

Printed: 2014, 10:30 @ 13:13:58



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **60607**

Well Name & No. Stranger Valley A #1 Test No. 1 Date 10-26-14  
 Company Brungardt Oil & Leasing Inc. Elevation 1808 KB 1803 GL  
 Address 2130 7th St. Box 871 Russell KS, 67665-1731  
 Co. Rep / Geo. Brad Hutchison Rig Shields  
 Location: Sec. 26 Twp. 12<sup>s</sup> Rge. 15<sup>w</sup> Co. Russell State K5

Interval Tested 2965-3040 Zone Tested LKC "A-C"  
 Anchor Length 75 Drill Pipe Run 2517 Mud Wt. 8.8  
 Top Packer Depth 2960 Drill Collars Run 0 Vis 59  
 Bottom Packer Depth 2965 Wt. Pipe Run 436 WL 6.8  
 Total Depth 3040 Chlorides 1600 ppm System LCM 2

Blow Description IFP - Surface Blow Building to 6 in.  
ISIP - No Blow  
FFP - Surface Blow Building to 7 1/2 in.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>125</u>	<u>MCW</u>		<u>75</u>	<u>25</u>	
<u>85</u>	<u>MUD show of Oil</u>			<u>100</u>	

Rec Total 210 BHT 93 Gravity API RW 275 @ 78° F Chlorides 22000 ppm  
 (A) Initial Hydrostatic 1442  Test 1150 T-On Location 5:10  
 (B) First Initial Flow 29  Jars \_\_\_\_\_ T-Started 7:07  
 (C) First Final Flow 72  Safety Joint \_\_\_\_\_ T-Open 8:54  
 (D) Initial Shut-In 425  Circ Sub \_\_\_\_\_ T-Pulled 11:54  
 (E) Second Initial Flow 72  Hourly Standby \_\_\_\_\_ T-Out 13:07  
 (F) Second Final Flow 119  Mileage 54 RT 83.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 423  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1439  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 60  
 Final Shut-In 60  
 Sub Total 0  
 Total 1233.70  
 Sub Total 1233.70  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60608

Well Name & No. Stranger Valley A #1 Test No. 2 Date 10-26-14  
 Company Scungard Oil & Leasing Inc. Elevation 1808 KB 1803 GL  
 Address 2130 W. 7th St Box 877 Russell KS 67665-1731  
 Co. Rep / Geo. Brad Hutchison Rig Shields  
 Location: Sec. 26 Twp. 12<sup>s</sup> Rge. 15<sup>w</sup> Co. Russell State KS

Interval Tested 3050-3080 Zone Tested LKC "E+F"  
 Anchor Length 30 Drill Pipe Run 2613 Mud Wt. 9.3  
 Top Packer Depth 3045 Drill Collars Run 0 Vis 55  
 Bottom Packer Depth 3050 Wt. Pipe Run 436 WL 6.8  
 Total Depth 3080 Chlorides 3100 ppm System LCM 2

Blow Description IFP - 1/4 in - Weak Blow  
ISIP - No Blow  
FFP - No Blow  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 90 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

A) Initial Hydrostatic 1494  Test 1150 T-On Location 19:46  
 B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 20:10  
 C) First Final Flow 20  Safety Joint \_\_\_\_\_ T-Open 22:02  
 D) Initial Shut-In 108  Circ Sub \_\_\_\_\_ T-Pulled 23:02  
 E) Second Initial Flow 20  Hourly Standby \_\_\_\_\_ T-Out 00:19  
 F) Second Final Flow 22  Mileage 83.70 Comments \_\_\_\_\_  
 G) Final Shut-In 55  Sampler \_\_\_\_\_  
 H) Final Hydrostatic 1437  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1233.70  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1233.70

Approved By \_\_\_\_\_ Our Representative

TriLOBite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **60609**

Well Name & No. Stranger Valley A #1 Test No. 3 Date 10-27-14  
 Company Brungard Oil Leasing Inc. Elevation 1808 KB 1803 GL  
 Address 213 W 7th St Box 871 Russell KS 67665-1731  
 Co. Rep / Geo. Brad Hutchison Rig Shields  
 Location: Sec. 26 Twp. 12<sup>s</sup> Rge. 15<sup>w</sup> Co. Russell State KS

Interval Tested 3135-3200 Zone Tested LKC "I-J"  
 Anchor Length 65 Drill Pipe Run 2706 Mud Wt. 9.3  
 Top Packer Depth 3130 Drill Collars Run 0 Vis 60  
 Bottom Packer Depth 3135 Wt. Pipe Run 436 WL 10.4  
 Total Depth 3200 Chlorides 3700 ppm System LCM 1

Blow Description IFP - Weak 1/4 in Blow Died in 12 min.  
ISIP - No Blow  
FFP - No Blow  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 90  
 (A) Initial Hydrostatic 1568  
 (B) First Initial Flow 17  
 (C) First Final Flow 19  
 (D) Initial Shut-In 184  
 (E) Second Initial Flow 19  
 (F) Second Final Flow 20  
 (G) Final Shut-In 73  
 (H) Final Hydrostatic 1554

Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 Test 1150  
 Jars \_\_\_\_\_  
 Safety Joint \_\_\_\_\_  
 Circ Sub \_\_\_\_\_  
 Hourly Standby \_\_\_\_\_  
 Mileage 83.70  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1233.70

T-On Location 10:58  
 T-Started 12:50  
 T-Open 14:43  
 T-Pulled 15:43  
 T-Out 16:56

Initial Open 15  
 Initial Shut-In 15  
 Final Flow 15  
 Final Shut-In 15

Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1233.70  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.