



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1211254
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: _____

1211254

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

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Larson Engineering, Inc. dba Larson Operating Company
Well Name	Louise 1-20
Doc ID	1211254

All Electric Logs Run

Microresistivity
Dual Induction
Dual Comp Porosity
Temperature Survey

Form	ACO1 - Well Completion
Operator	Larson Engineering, Inc. dba Larson Operating Company
Well Name	Louise 1-20
Doc ID	1211254

Tops

Name	Top	Datum
Anhydrite	2134	+628
B/Anhydrite	2165	+597
Heebner	3945	-1183
Lansing	3982	-1220
Stark Sh	4255	-1493
Pawnee	4445	-1683
Ft. Scott	4498	-1736
Cherokee Sh	4525	-1763

ALLIED OIL & GAS SERVICES, LLC 062666

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: East Bend

DATE <u>2-22-14</u>	SEC. <u>20</u>	TWP. <u>18</u>	RANGE <u>28</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30pm</u>	JOB FINISH <u>8pm</u>
LEASE <u>Lojise</u>		WELL # <u>1-20</u>	LOCATION <u>Dighton 1 East 1/2 Sec E into</u>			COUNTY <u>Love</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR HD Drilling #3
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 1/2 DEPTH 766.53
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15 FT
 PERFS.
 DISPLACEMENT 16.02 bbl fresh water

OWNER
 CEMENT
 AMOUNT ORDERED 175 sks Class A 3 1/2 cc
2 1/2 gal

EQUIPMENT

PUMP TRUCK CEMENTER Jack Moore
 # 366 HELPER Ben Newell
 BULK TRUCK
 # 609-239 DRIVER Don Cooper
 BULK TRUCK
 # DRIVER

COMMON	<u>175</u>	@ <u>17.90</u>	<u>3,132.50</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>493</u>	@ <u>.80</u>	<u>394.40</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>189.23</u>	@ <u>2.48</u>	<u>469.29</u>
MILEAGE	<u>8.63 x 23X</u>	<u>2.60</u>	<u>516.05</u>
TOTAL			<u>4,582.46</u>

REMARKS:

relocation - rig up - had soft setting
run 8 1/2 casing & blow circulation w/ pig & d
pump 5 bbl fresh water
add 175 sks class A 3 1/2 cc
Displace 16.02 bbl fresh water
Shut in
Cement and circulate 8pm
Rig down

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE		<u>1,512.35</u>	
EXTRA FOOTAGE		@	
MILEAGE <u>Hum</u>	<u>23</u>	@ <u>7.70</u>	<u>177.10</u>
MANIFOLD		@	
<u>Hum</u>	<u>23</u>	@ <u>4.40</u>	<u>101.20</u>
		@	
TOTAL			<u>1,790.55</u>

CHARGE TO: Larson Engineering
 STREET _____
 CITY _____ STATE _____ ZIP _____

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.

SALES TAX (if Any) _____
 TOTAL CHARGES 6,373.01
1,911.20
 DISCOUNT _____ IF PAID IN 30 DAYS
4,461.11

PRINTED NAME X LEWANNIE TRESNER
 SIGNATURE X [Signature]
Thank you!!!



CHARGE TO: **LARSON ENGINEERING**
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 26114

PAGE 1 OF

SERVICE LOCATION: 1. **NESS CITY, KS** WELL/PROJECT NO.: LEASE: **LOUISE 1-28** COUNTY/PARISH: **LANE** STATE: **KS** CITY: **DIGHTON, KS** DATE: **4 MAR 14** OWNER:
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: **HD DRILLING RIG #3** RIG NAME/NO.: SHIPPED VIA: DELIVERED TO: ORDER NO.:
 3. WELL TYPE: **WEL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **5 1/2 LONGSTRING** WELL PERMIT NO.: WELL LOCATION: **1E, 2S, E1W10**
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	30	mi			6.00	180.00
578					PUMP CHARGE	1	job			1500.00	1500.00
280					FLOOR CHECK 21	500	gal			3.00	1500.00
221					LIQUID RCL	2	gal			25.00	50.00
419					ROTATING HEAD RENTAL	1	job			200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X
 DATE SIGNED: **3-4-14** TIME SIGNED: **1300** **5 P.M.**

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL #1	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#1	3430.00
WE UNDERSTOOD AND MET YOUR NEEDS?				#2	5347.90
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	8777.90
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Lone TAX 7.15%	466.72
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	9244.62
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR: **David Kuehn** APPROVAL: **[Signature]** Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 26114

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		DATE	PAGE	OF	AMOUNT	
		LOC	ACCT	DF			QTY	SUM					QTY
276						FLOCELE	40	lbs		2	50	100.00	
283						SAET	800	lbs		00	20	160.00	
284						CALSEAL	7	SY		35	00	245.00	
292						HALAD-322	150	lbs		8	00	1200.00	
277						GILSONITE	1100	lbs		00	75	825.00	
325						STANDARD EA-2	155	SY		14	50	2247.50	
581						SERVICE CHARGE		CUBIC FEET		2	00	310.00	
583						MILEAGE CHARGE	173	TON MILES		1	00	260.40	
						TOTAL WEIGHT	30	LOADED MILES					
											260.40		
											CONTINUATION TOTAL		5347.90

JOB LOG

SWIFT Services, Inc.

DATE 4 MAR 19 PAGE NO.

CUSTOMER LARSON ENGINEERING WELL NO. LEASE LOUISE 1-28 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 26114

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1015							ON LOCATION
								START PIPE 5 1/2 - 15.5 RTDP 4660 SET @ 4659 SHOE PT. 4246 PORT COLLAR @ 2110
	1055							DROP BALL CIRCULATE
	1145	6	15		✓		300	Pump 15 BBL KCL
		6	12		✓		300	Pump 500 gal 100 FLOCHECK 21
		6	5		✓		300	Pump 5 BBL KCL
			7					PLUG RA - 30sx
	1157	4	30		✓			MIX 125 sx EA 2
								WASH OUT Pump & LINES
	1220	6			✓			START DISPLACING PLUG
	1240	8	110		✓		1500	PLUG DOWN LATCH PLUG IN
								RELEASE PSI - DRY
								WASH TRUCK
	1300							Job Complete
								Thank You Jason Dave Juan Dang



CHARGE TO: Larson Engineering
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 26031

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>1-20</u>	LEASE <u>Louise</u>	COUNTY/PARISH <u>Lane</u>	STATE <u>KS</u>	CITY <u>Dighton</u>	DATE <u>7 MAR 14</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED <u>NET</u>	DELIVERED TO <u>location</u>	ORDER NO.		
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>WILD WEST</u>	JOB PURPOSE <u>Development</u>	WELL PERMIT NO.	WELL LOCATION <u>coment part collar</u>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	30		mi		6.00	180.00
576D		1			Pump Charge	1		ea		1500.00	1500.00
330		1			SMB cement	40		sk		18.50	832.50
276		1			Floacle	90		lb		2.50	225.00
290		1			D-AIR	5		gal		42.00	210.00
275		1			cotton seed hulls	10		sk		32.00	320.00
583		1			Drayage					671.69	671.69
581		1			service charge	480		sk		2.00	960.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X
 DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				12,331	.69
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED THE JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					
				TOTAL	12,980.91

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR APeybell APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE MAR 14 PAGE NO. 1

CUSTOMER Laccon Engineering WELL NO. 1-20 Louise LEASE Louise JOB TYPE Cement port collar TICKET NO. 26031

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								250 sk 5MD w/ 4" floater 2 3/8 x 5 1/2 port collar - 2410'
	0900							on loc TRK 114
	0910					1000	1000	test to 1000 psi - held open port collar
	0918	3 1/2	2			300		inj rate 3 1/2 bpm @ 300 psi
	0920	3				300		mix 5MD cement @ 11.2 ppg
		3	18			300		- fluid to surface - good circ
	1000							loose circulation {200 sk mixed} - shut down & wait -
	1020							pump 1 bpm - blow - momentary fluid to surface - then loose circ wait
	1115	1	30			300		pump 5MD cement @ 11.2 ppg - no blow - {500 sk mixed} wait
	1200	2	65			300		MIX 5MD cement @ 11.2 ppg w/ 1000 lbs lulls - no blow - {1000 sk mixed}
	1245							wait
	1330	1				0		mix 5MD cement @ 11.2 ppg
		1	2			300		catch pressure {1000 sk}
		1	6			600		
		1	20			450		
		1	53			900		Kickout - NO blow -
						500		falls to 500 psi - shut in
		1	7			800		open tubing displacer w/ H ₂ O
	1450					400		close port collar
						1200	1200	test to 1200 psi - held
	1505		30					Reverse out - 2 cement plugs wash truck
	1516							back up {450 sk mixed 10 lbs lulls}
	1550							job complete Thank Ann, Phil, KAC & crew

JOB LOG

SWIFT Services, Inc.

DATE 27 MAR 14 PAGE NO. 1

CUSTOMER *Larson Engineering* WELL NO. LEASE *Louise* JOB TYPE *top off 8 5/8* TICKET NO.

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								<i>60/40 pm (4% gel)</i>
								<i>(port collar job did not circulate, top off down 8 5/8")</i>
	<i>1215</i>							<i>on loc TRK 114</i>
								<i>Mix 60/40 (4% gel)</i>
			<i>2 1/2</i>				<i>150</i>	<i>- Kickout - holding 150 psi - shut in</i>
								<i>- 8 5/8 full</i>
								<i>{ 10 sk mixed }</i>
								<i>Wool up Back up</i>
								<i>job complete</i>
								<i>Thanks</i>
								<i>Blaine, Flint saved</i>



DRILL STEM TEST REPORT

Prepared For: **Larson Engineering, Inc.**

562 W. State Rd. 4
Olmitz, KS 67564

ATTN: Vern Schrag

Louise #1-20

20-18-28w Lane,KS

Start Date: 2014.02.27 @ 21:20:00

End Date: 2014.02.28 @ 02:55:36

Job Ticket #: 56643 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.04 @ 14:10:12



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Larson Engineering, Inc.

20-18-28w Lane, KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56643

DST#: 1

ATTN: Vern Schrag

Test Start: 2014.02.27 @ 21:20:00

GENERAL INFORMATION:

Formation: **LKC 'H'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:52:48

Time Test Ended: 02:55:36

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 4155.00 ft (KB) To 4190.00 ft (KB) (TVD)

Reference Elevations: 2762.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

2755.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8357

Inside

Press@RunDepth: 35.75 psig @ 4159.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.27

End Date:

2014.02.28

Last Calib.:

2014.02.28

Start Time: 21:20:05

End Time:

02:55:36

Time On Btm:

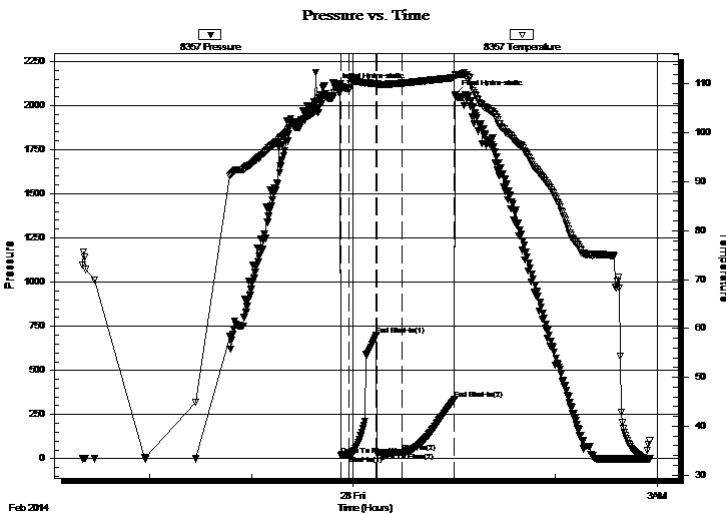
2014.02.27 @ 23:50:06

Time Off Btm:

2014.02.28 @ 01:00:30

TEST COMMENT: Surface blow.
No return. May have pulled up too much since pressure jumped.
Very weak blow.
No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.01	109.59	Initial Hydro-static
3	20.51	109.06	Open To Flow (1)
8	21.83	108.91	Shut-In(1)
24	699.06	110.07	End Shut-In(1)
24	34.60	109.78	Open To Flow (2)
39	35.75	110.15	Shut-In(2)
70	338.45	111.29	End Shut-In(2)
71	2063.69	111.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100m	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering, Inc.

20-18-28w Lane, KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56643

DST#: 1

ATTN: Vern Schrag

Test Start: 2014.02.27 @ 21:20:00

Tool Information

Drill Pipe:	Length: 4013.00 ft	Diameter: 3.80 inches	Volume: 56.29 bbl	Tool Weight: 2300.00 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: 146.00 ft	Diameter: 2.25 inches	Volume: 0.72 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 57.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.50 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4155.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	62.50 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			4128.50	
Shut In Tool	5.00			4133.50	
Hydraulic tool	5.00			4138.50	
Jars	5.00			4143.50	
Safety Joint	2.50			4146.00	
Packer	5.00			4151.00	27.50 Bottom Of Top Packer
Packer	4.00			4155.00	
Stubb	4.00			4159.00	
Recorder	0.00	8357	Inside	4159.00	
Recorder	0.00	8645	Outside	4159.00	
Perforations	28.00			4187.00	
Bullnose	3.00			4190.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

20-18-28w Lane, KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56643

DST#: 1

ATTN: Vern Schrag

Test Start: 2014.02.27 @ 21:20:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	M 100m	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

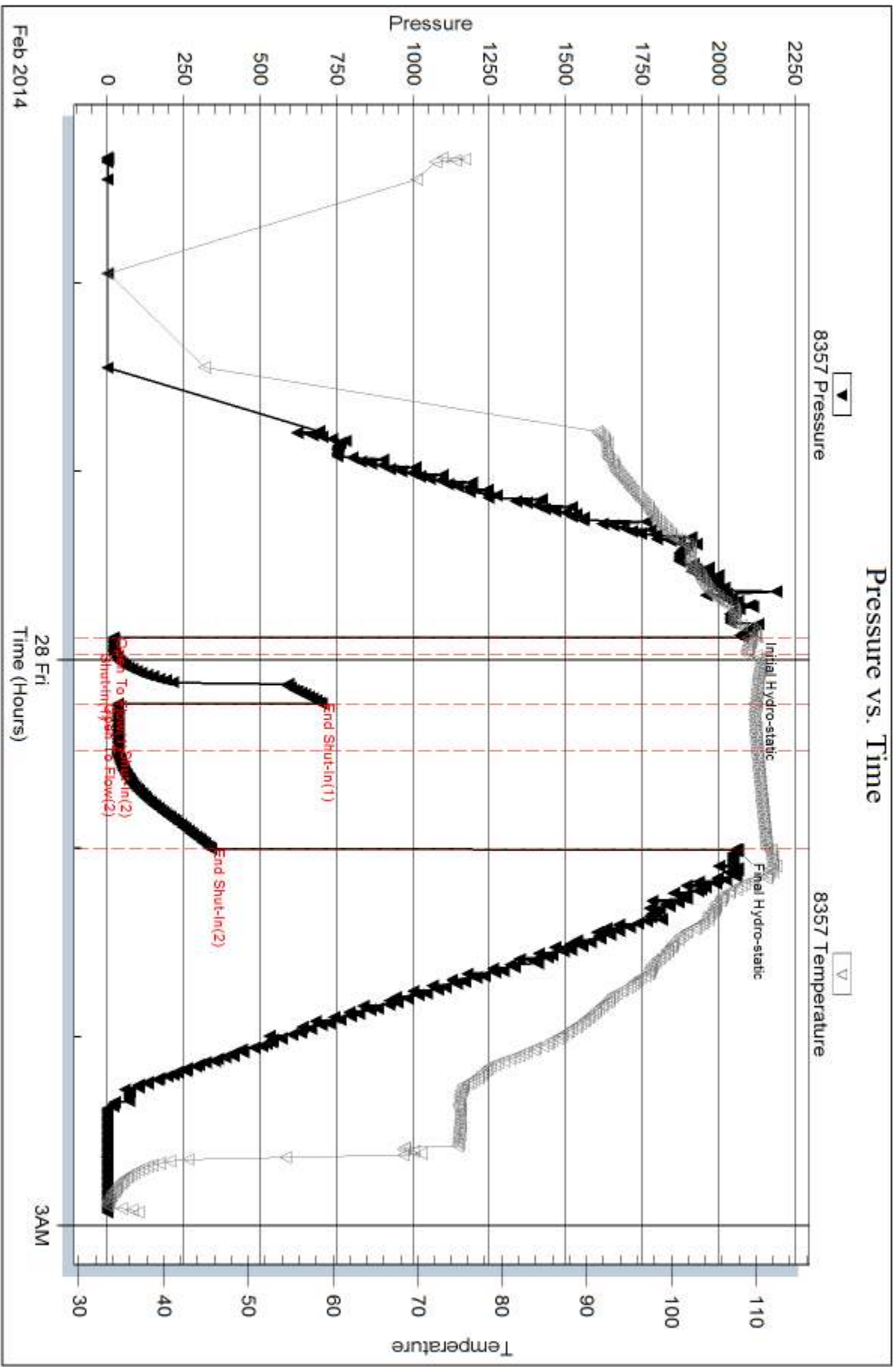
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Larson Engineering, Inc.**

562 W. State Rd. 4
Olmitz, KS 67564

ATTN: Vern Schrag

Louise #1-20

20-18-28w Lane,KS

Start Date: 2014.02.28 @ 19:22:00

End Date: 2014.03.01 @ 00:20:24

Job Ticket #: 56644 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.04 @ 14:09:54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Larson Engineering, Inc.

20-18-28w Lane, KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56644

DST#: 2

ATTN: Vern Schrag

Test Start: 2014.02.28 @ 19:22:00

GENERAL INFORMATION:

Formation: **LKC 'K'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:06:36

Time Test Ended: 00:20:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4255.00 ft (KB) To 4275.00 ft (KB) (TVD)

Reference Elevations: 2762.00 ft (KB)

Total Depth: 4275.00 ft (KB) (TVD)

2755.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8357

Inside

Press@RunDepth: 173.82 psig @ 4257.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.28

End Date:

2014.03.01

Last Calib.: 2014.03.01

Start Time: 19:22:05

End Time:

00:20:24

Time On Btm: 2014.02.28 @ 21:04:12

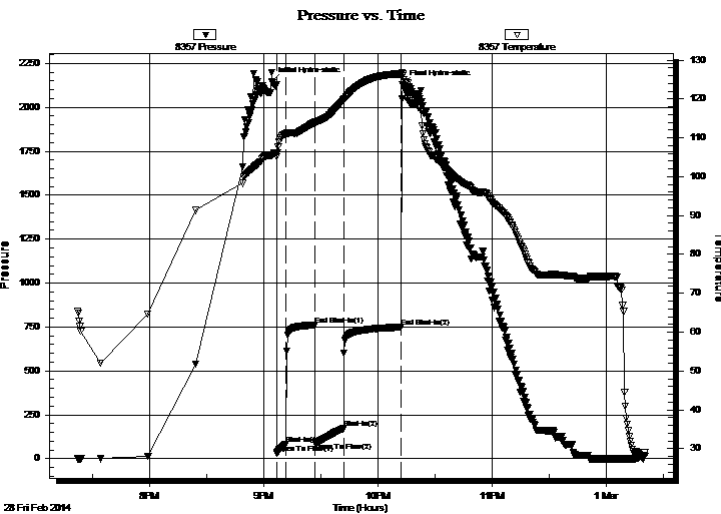
Time Off Btm: 2014.02.28 @ 22:12:54

TEST COMMENT: 8" Blow.

Surface return.

B.O.B. @ 8 min.

3" Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.99	105.41	Initial Hydro-static
3	31.95	105.22	Open To Flow (1)
8	84.35	111.00	Shut-In(1)
23	761.95	114.03	End Shut-In(1)
23	91.54	113.83	Open To Flow (2)
38	173.82	119.69	Shut-In(2)
68	749.17	126.46	End Shut-In(2)
69	2128.18	126.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .200 @ 40 Degrees F = 67000 P	0.00
176.00	OSMW 20m 80w	1.14
62.00	OSMW 50m 50w	0.87
62.00	OCWM 30o 10w 60m	0.87
45.00	CGO 5g 95o	0.63
0.00	140' Weak GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering, Inc.

20-18-28w Lane, KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56644

DST#: 2

ATTN: Vern Schrag

Test Start: 2014.02.28 @ 19:22:00

Tool Information

Drill Pipe:	Length: 4105.00 ft	Diameter: 3.80 inches	Volume: 57.58 bbl	Tool Weight:	2300.00 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: 146.00 ft	Diameter: 2.25 inches	Volume: 0.72 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 58.30 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.50 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4255.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	47.50 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			4228.50	
Shut In Tool	5.00			4233.50	
Hydraulic tool	5.00			4238.50	
Jars	5.00			4243.50	
Safety Joint	2.50			4246.00	
Packer	5.00			4251.00	27.50 Bottom Of Top Packer
Packer	4.00			4255.00	
Stubb	1.00			4256.00	
Perforations	1.00			4257.00	
Recorder	0.00	8357	Inside	4257.00	
Recorder	0.00	8645	Outside	4257.00	
Perforations	15.00			4272.00	
Bullnose	3.00			4275.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

20-18-28w Lane,KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56644

DST#: 2

ATTN: Vern Schrag

Test Start: 2014.02.28 @ 19:22:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 6.79 in³
Resistivity: ohm.m
Salinity: 1600.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 31 deg API
Water Salinity: 67000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .200 @ 40 Degrees F = 67000 PPM	0.000
176.00	OSMW 20m 80w	1.139
62.00	OSMW 50m 50w	0.870
62.00	OCWM 30o 10w 60m	0.870
45.00	CGO 5g 95o	0.631
0.00	140' Weak GIP	0.000

Total Length: 345.00 ft Total Volume: 3.510 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

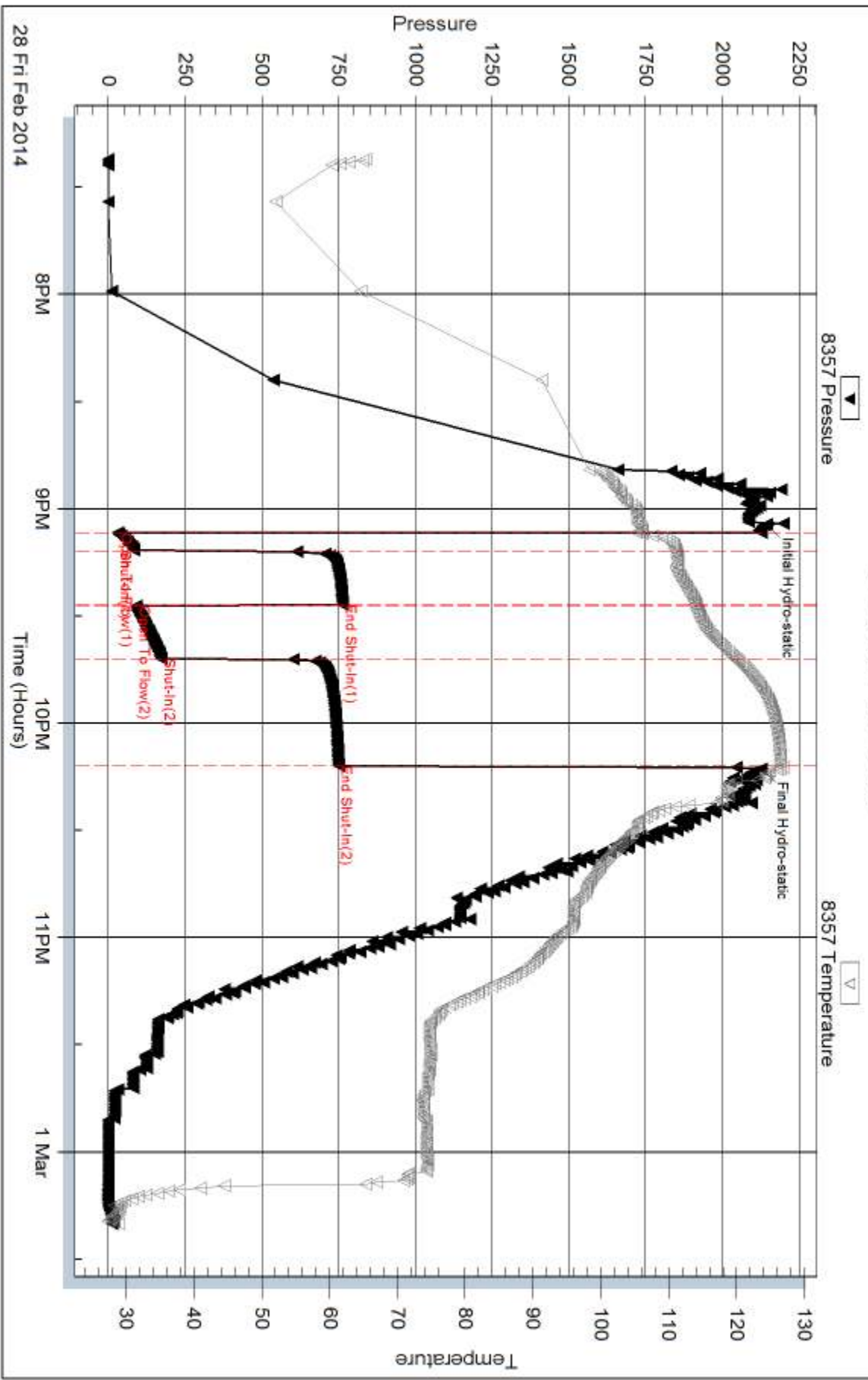
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 28 @ 30 Degrees F = 31.

Pressure vs. Time

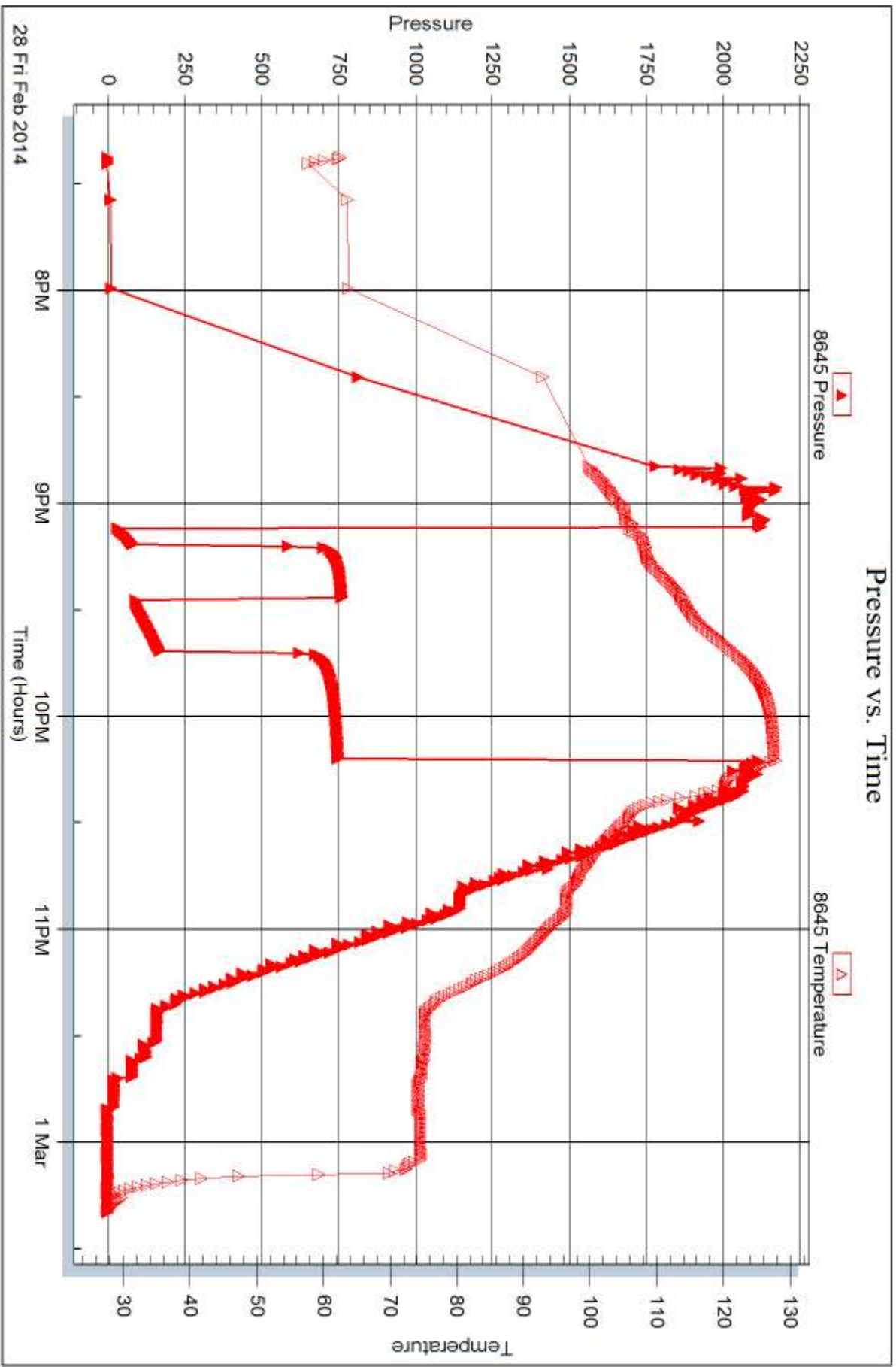


Serial #: 8645

Outside Larson Engineering, Inc.

Louise #1-20

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 56644

Printed: 2014.03.04 @ 14:09:57



DRILL STEM TEST REPORT

Prepared For: **Larson Engineering, Inc.**

562 W. State Rd. 4
Olmitz, KS 67564

ATTN: Vern Schrag

Louise #1-20

20-18-28w Lane,KS

Start Date: 2014.03.01 @ 08:52:00

End Date: 2014.03.01 @ 17:01:00

Job Ticket #: 56645 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.04 @ 14:09:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Larson Engineering, Inc.

20-18-28w Lane, KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56645

DST#: 3

ATTN: Vern Schrag

Test Start: 2014.03.01 @ 08:52:00

GENERAL INFORMATION:

Formation: **Middle Creek**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:08:24

Time Test Ended: 17:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4288.00 ft (KB) To 4296.00 ft (KB) (TVD)

Reference Elevations: 2762.00 ft (KB)

Total Depth: 4296.00 ft (KB) (TVD)

2755.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8357

Inside

Press@RunDepth: 489.38 psig @ 4289.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.01

End Date:

2014.03.01

Last Calib.: 2014.03.01

Start Time: 08:52:05

End Time:

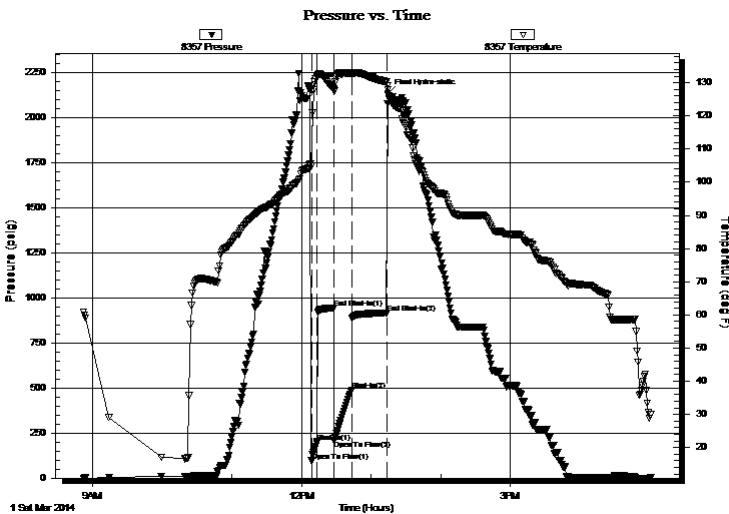
17:00:59

Time On Btm: 2014.03.01 @ 12:06:00

Time Off Btm: 2014.03.01 @ 13:14:18

TEST COMMENT: B.O.B. @ 1 1/2 min.
1" Return.
B.O.B. @ 1 1/2 min.
B.O.B. @ 25 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.14	104.28	Initial Hydro-static
3	96.24	104.86	Open To Flow (1)
8	201.04	132.03	Shut-In(1)
22	943.27	127.95	End Shut-In(1)
23	210.02	127.57	Open To Flow (2)
38	489.38	132.77	Shut-In(2)
68	916.75	130.20	End Shut-In(2)
69	2133.47	127.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCO 15g 25m 60o	0.59
775.00	GO 30g 70o	10.63
310.00	GO 35g 65o	4.35
0.00	589' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering, Inc.

20-18-28w Lane, KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56645

DST#: 3

ATTN: Vern Schrag

Test Start: 2014.03.01 @ 08:52:00

Tool Information

Drill Pipe:	Length: 4138.00 ft	Diameter: 3.80 inches	Volume: 58.05 bbl	Tool Weight:	2300.00 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: 146.00 ft	Diameter: 2.25 inches	Volume: 0.72 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 58.77 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.50 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4288.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 ft				
Tool Length:	35.50 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			4261.50	
Shut In Tool	5.00			4266.50	
Hydraulic tool	5.00			4271.50	
Jars	5.00			4276.50	
Safety Joint	2.50			4279.00	
Packer	5.00			4284.00	27.50 Bottom Of Top Packer
Packer	4.00			4288.00	
Stubb	1.00			4289.00	
Recorder	0.00	8357	Inside	4289.00	
Recorder	0.00	8645	Outside	4289.00	
Perforations	4.00			4293.00	
Bullnose	3.00			4296.00	8.00 Bottom Packers & Anchor

Total Tool Length: 35.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

20-18-28w Lane,KS

562 W. State Rd. 4
Olmitz, KS 67564

Louise #1-20

Job Ticket: 56645

DST#: 3

ATTN: Vern Schrag

Test Start: 2014.03.01 @ 08:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GMCO 15g 25m 60o	0.590
775.00	GO 30g 70o	10.634
310.00	GO 35g 65o	4.348
0.00	589' GIP	0.000

Total Length: 1205.00 ft Total Volume: 15.572 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

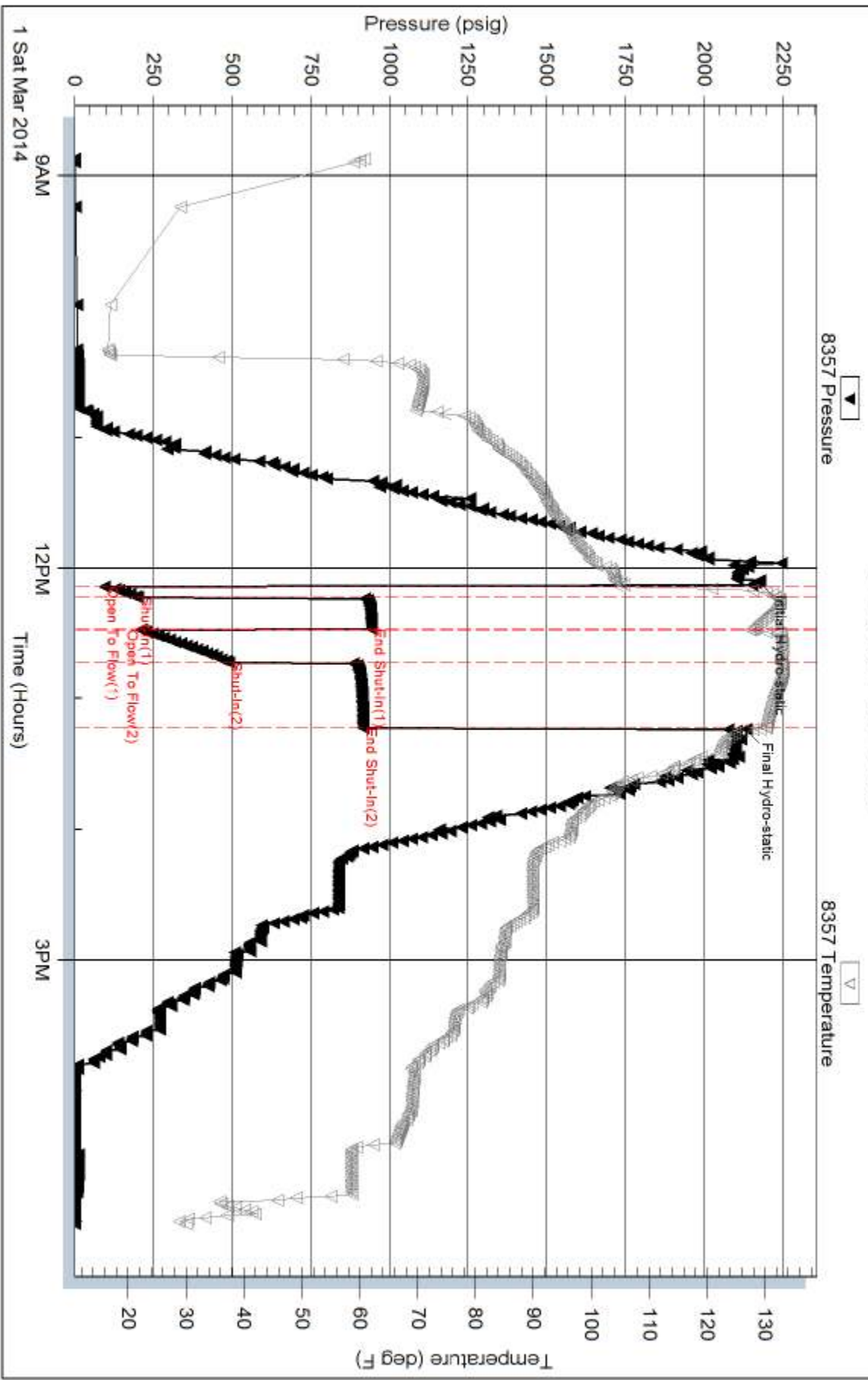
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 30 @ 10 Degrees F = 35.

Pressure vs. Time

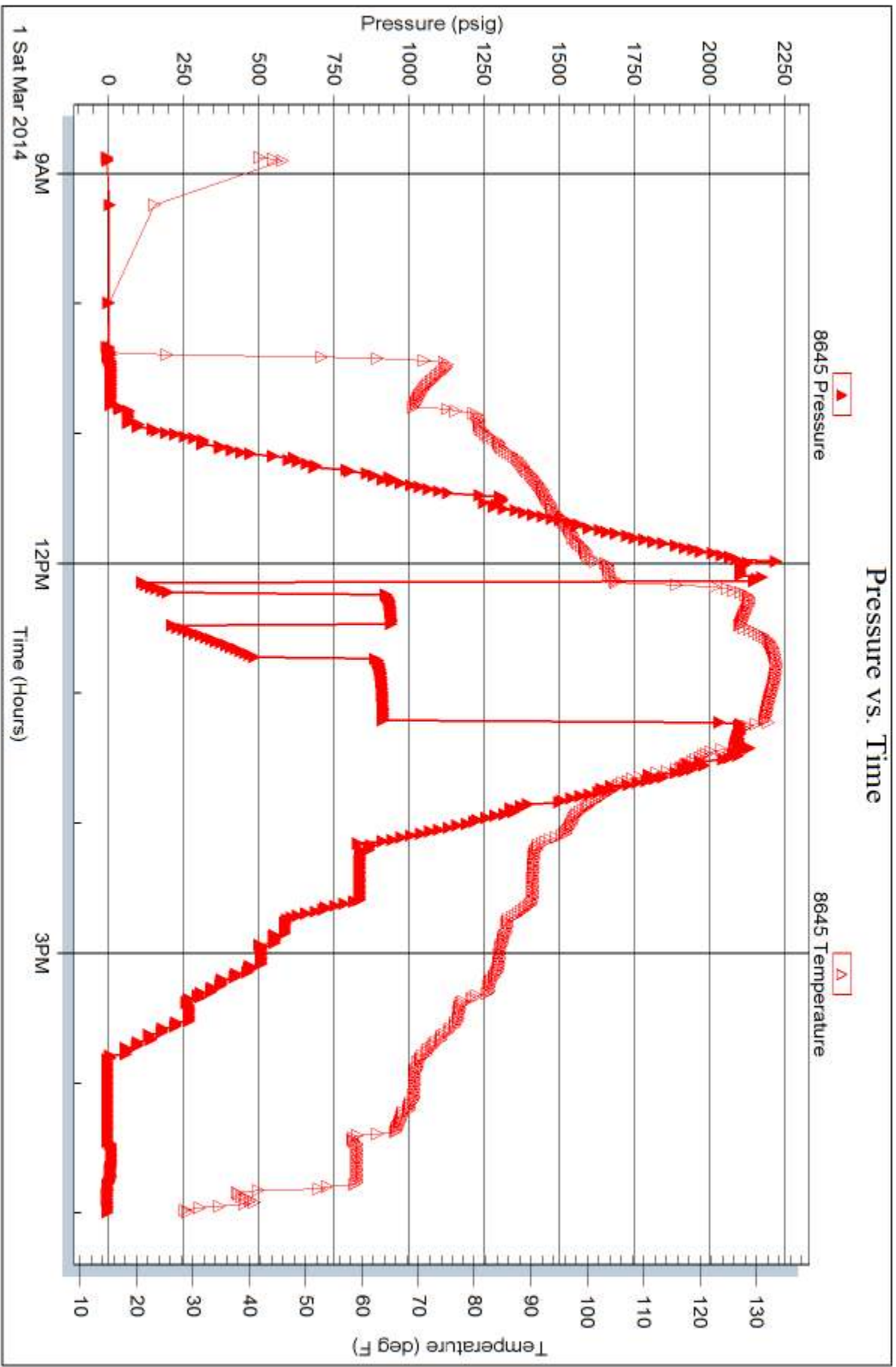


Serial #: 8645

Outside Larson Engineering, Inc.

Louise #1-20

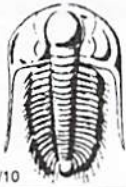
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 56645

Printed: 2014.03.04 @ 14:09:41



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56643

4/10

Well Name & No. Louise #1-20 Test No. 1 Date 2-27-14
 Company Larson Engineering, Inc. Elevation 2762 KB 2755 GL
 Address 562 W. St. Rd. 4 Olmitz, KS 67564
 Co. Rep / Geo. Vern Schrag Rig HD#3
 Location: Sec. 20 Twp. 18s Rge. _____ Co. Lane State KS

Interval Tested 4155-4190 Zone Tested LKC 'H'
 Anchor Length 35 Drill Pipe Run 4013 Mud Wt. 9.2
 Top Packer Depth 4151 Drill Collars Run 146 Vis 53
 Bottom Packer Depth 4155 Wt. Pipe Run 0 WL 6.4
 Total Depth 4190 Chlorides 1700 ppm System LCM 1#

Blow Description Surface blow
No return
Very weak blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>30</u>	Feet of <u>M</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 111 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2103 Test 1250 T-On Location 21:15
 (B) First Initial Flow 21 Jars 250 T-Started 21:20
 (C) First Final Flow 22 Safety Joint 75 T-Open 23:53
 (D) Initial Shut-In 700 Circ Sub N/C T-Pulled 1:00
 (E) Second Initial Flow 35 Hourly Standby _____ T-Out 2:56
 (F) Second Final Flow 37 Mileage 52RT 80.60 Comments _____
 (G) Final Shut-In 338 Sampler _____
 (H) Final Hydrostatic 2064 Straddle _____ Ruined Shale Packer _____

Initial Open 5 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 15 Extra Packer _____ Extra Copies _____
 Final Flow 15 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1655.60
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1655.60

Approved By _____ Our Representative Chuck Smith

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. 56644

Well Name & No. Louise #1-20 Test No. 2 Date 2-28-14
 Company Larson Engineering, Inc. Elevation 2762 KB 2755 GL
 Address 562 W. St. Rd. 4 Olmitz, KS 67564
 Co. Rep / Geo. Vern Schrag Rig HD#3
 Location: Sec. 20 Twp. 18s Rge. 28w Co. Lane State KS

Interval Tested 4255 - 4275 Zone Tested LKC 'K'
 Anchor Length 20 Drill Pipe Run 4105 Mud Wt. 9.2
 Top Packer Depth 4251 Drill Collars Run 146 Vis 55
 Bottom Packer Depth 4255 Wt. Pipe Run 0 WL 6.8
 Total Depth 4275 Chlorides 1600 ppm System LCM 1#
 Blow Description 8" Blow.
Surface return.
B.O.B. @ 8min
3" Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>CGO</u>	<u>5</u>	<u>95</u>		
<u>62</u>	<u>OCWM</u>		<u>30</u>	<u>10</u>	<u>60</u>
<u>62</u>	<u>OSAWM</u>			<u>50</u>	<u>50</u>
<u>176</u>	<u>OSMW</u>			<u>80</u>	<u>20</u>
	<u>140' Weak GIP</u>				

Rec Total 345 BHT 127 Gravity 31 API RW .200 @ 40 °F Chlorides 67000 ppm

(A) Initial Hydrostatic 2144 Test 1250 T-On Location 19:15
 (B) First Initial Flow 32 Jars 250 T-Started 19:22
 (C) First Final Flow 84 Safety Joint 75 T-Open 21:07
 (D) Initial Shut-In 762 Circ Sub N/C T-Pulled 22:12
 (E) Second Initial Flow 92 Hourly Standby _____ T-Out 00:20
 (F) Second Final Flow 174 Mileage 80.60 Comments _____
 (G) Final Shut-In 749 Sampler _____
 (H) Final Hydrostatic 2128 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1655.60
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1655.60

Approved By [Signature] Our Representative Chuck Smith

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. **56645**

4/10

Well Name & No. Louise #1-20 Test No. 3 Date 3-1-14
 Company Larson Engineering, Inc. Elevation 2762 KB 2755 GL
 Address 562 W. St. Rd. 4 Olmitz, KS 67564
 Co. Rep / Geo. Vern Schrag Rig HD#3
 Location: Sec. 20 Twp. 18s Rge. 28w Co. _____ State KS

Interval Tested 4288 - 4296 Zone Tested Middle Creek
 Anchor Length 8 Drill Pipe Run 4138 Mud Wt. 9.2
 Top Packer Depth 4284 Drill Collars Run 146 Vis 55
 Bottom Packer Depth 4288 Wt. Pipe Run 0 WL 6.4
 Total Depth 4296 Chlorides 2000 ppm System LCM 1#

Blow Description B.O.B. @ 1 1/2 min
10" Return.
B.O.B. @ 1 1/2 min
B.O.B. @ 2.5 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>GO</u>	<u>35</u>	<u>65</u>		
<u>775</u>	<u>GO</u>	<u>30</u>	<u>70</u>		
<u>120</u>	<u>G/MCO</u>	<u>15</u>	<u>60</u>		<u>25</u>
<u> </u>	<u>589' GIP</u>				
<u> </u>	<u> </u>				

Rec Total _____ BHT 130 Gravity 35 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2174</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>8:45</u>
(B) First Initial Flow <u>96</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:52</u>
(C) First Final Flow <u>201</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:08</u>
(D) Initial Shut-In <u>943</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>13:14</u>
(E) Second Initial Flow <u>210</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>17:01</u>
(F) Second Final Flow <u>489</u>	<input checked="" type="checkbox"/> Mileage <u>52RT x 2</u> <u>161.20</u>	Comments _____
(G) Final Shut-In <u>917</u>	<input type="checkbox"/> Sampler _____	<u>Picked up tool 3-3-14</u>
(H) Final Hydrostatic <u>2133</u>	<input type="checkbox"/> Straddle _____	<u>13:00 No test</u>

Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>15</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input checked="" type="checkbox"/> Day Standby <u>1 3/4 day</u> <u>1d 20h</u>	Total <u>2536.20</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1736.20</u>	

Approved By Vern C. Schrag Our Representative Chuck Smith

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24-17