



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1065195

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

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

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Larson Engineering, Inc. dba Larson Operating Company
Well Name	Paris 1-11
Doc ID	1065195

Tops

Name	Top	Datum
Anhydrite	2132	+676
Base Anhydrite	2160	+648
Heebner	3936	-1128
Lansing	3978	-1170
Stark Sh	4257	-1449
Marmaton	4379	-1571
Pawnee	4459	-1651
Cherokee	4528	-1720
Spergen	4608	-1800



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

TICKET
 19834

SERVICE LOCATIONS
 1. *Hansick* WELL/PROJECT NO. *1-11* LEASE *Paris* COUNTY/PARISH *Lane* STATE *Ks* CITY DATE *7-5-11* OWNER
 2. *Ness City, Ks* TICKET TYPE SERVICE CONTRACTOR *Wildcat* RIG NAME/NO. SHIPPED VIA *CT* DELIVERED TO *SW/Digiton, Ks* ORDER NO.
 3. WELL TYPE *DI* WELL CATEGORY *initial* JOB PURPOSE *Cement Port Collar @ 2090'* WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>		<i>1</i>			<i>MILEAGE #113</i>	<i>70</i>	<i>mi</i>			<i>500</i>	<i>35000</i>
<i>576 D</i>		<i>1</i>			<i>Pump Charge - cement Port Collar</i>	<i>1ea</i>		<i>2090'</i>	<i>ft</i>	<i>110000</i>	<i>110000</i>
<i>290</i>		<i>1</i>			<i>D-A-B</i>	<i>2gal</i>				<i>35000</i>	<i>70000</i>
<i>330</i>		<i>2</i>			<i>SWD Cement</i>	<i>160</i>	<i>SKS</i>			<i>1500</i>	<i>240000</i>
<i>276</i>		<i>2</i>			<i>Flocele</i>	<i>70</i>	<i>lbs</i>				<i>6000</i>
<i>581</i>		<i>2</i>			<i>Service Charge - Cement</i>	<i>225</i>	<i>SKS</i>	<i>22390'</i>	<i>lbs</i>	<i>1050</i>	<i>33750</i>
<i>583</i>		<i>2</i>			<i>Dryage</i>	<i>447.8</i>	<i>lbs</i>	<i>70</i>	<i>mi</i>	<i>100</i>	<i>44780</i>

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 *7-5-11* TIME SIGNED *1:30* 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<i>461530</i>
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<i>Lane TAX 6.3%</i>
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		<i>15939</i>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL <i>477469</i>

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR *A. Ben Lamm* APPROVAL
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7-5-11 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Lundon Engineering		1-11		Paris		Cement Bit Collar		19834	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1300					23 1/2	5 1/2	On location	
						closed	1000	Set P.T. Bit Collar @ 2090'	
		3	3			C	300	Test P.C. closed - OK	
								Open P.C. in Rate	
								Hook to TG - 298	
		3				300	300	Start H ₂ O	
		3	5			300	300	Start SMD unit @ 11.2#/gal (2 SKS/BB1)	
		3	10			200	300	Have manual Returns	
		3	73			150	450	@ 135 SKS unit CIR	
		3	87 74			150	450	Mix 85 SKS SMD @ 13#	
		3	82			100	400	Fin unit - Start Displ 7 BB1	
		3	90			200	300	Fin Displ -	
						1000	1000	Close P.C. & Test - OK	
		3					300	RD run 4 SKS TG	
								Rev-out 2 Pass	
	1445	1445	25					Fin Rev-out - Job Complete	
								Washes P.T.	
								30 SKS unit @ 11.2 to Pct.	
	1530								
								Thanks	
								Alan, 1 Day & Lane	



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

TICKET
 20850

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Ness City, KS WELL/PROJECT NO. 1-71 LEASE Paris COUNTY/PARISH Lane STATE KS CITY Dighton DATE 28 Jun 11 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR H-D RIG NAME/NO. 3 SHIPPED VICT DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement long string WELL PERMIT NO. WELL LOCATION 15-195-29W
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK 114	40	mi			5.00	200.00
578		1			Pump Charge	1	ea			1400.00	1400.00
581		1			Service Charge	1	hr			232.50	232.50
583		1			Drayage	17280	lb	345.6	TMA	2.00	345.60
280		1			Flocke 21	500	gal			2.50	1250.00
221		1			KCL liquid	2	gal			25.00	50.00
290		1			D-AIR	2	gal			35.00	70.00
419		1			ROTATING HEAD RENTAL	5	in	1	ea	150.00	150.00

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.

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	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?							1	3696.10
WE UNDERSTOOD AND MET YOUR NEEDS?							2	3578.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?							subtotal	7276.60
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?							Lane TAX 6.3%	321.21
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO					TOTAL	7597.81
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND								

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

X DATE SIGNED: TIME SIGNED: 8:11 A.M. P.M.

SWIFT OPERATOR: BSH APPROVAL: _____

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 28 Jun 11 PAGE NO.

CUSTOMER Carlson Engineering WELL NO. 1-11 LEASE PARIS JOB TYPE cement long string TICKET NO. 20850

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								155 sks SA-2 w/ Gilsonite 5 1/2 15.5 # casing Port 60 lb 2091' Pipe 4650' shoejt 28.4'
	0320							on loc TRK 714
	0340							casing in well - hook up to well - Drop ball
	0355							circulate - ROTATE
	0440	4 3/4	15			300		Pump 15 bbl KCL flush
		4 3/4	12			300		Pump 500 gal Floodack 21
		4 3/4	5			380		Pump 5 bbl KCL flush
	0450		7					Mix 30 sks in RT
	0440	4 3/4	38			300		Mix SA-2 w/ Gilsonite 15.4 ppg 125 sks
	0500							Drop latch dump plug wash out pump & line
	0505	6 3/4				300		Displace plug
		6 3/4	90			850		
	0530	6 3/4	111			1500		LAND plug
								Release pressure to truck - dined up
	0540							wash truck rack up
	0550							job complete Thank Alan Dave & Joe

ALLIED CEMENTING CO., LLC. 038760

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Creaton, KS

DATE <u>6-16-11</u>	SEC. <u>11</u>	TWP. <u>19S</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00pm</u>	JOB FINISH <u>7:30pm</u>
LEASE <u>Paris</u>	WELL# <u>1-11</u>	LOCATION <u>Orphan res 2.5 1w 2 1/2 S</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>Wanto</u>				

CONTRACTOR HO Rig #3
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 255
 CASING SIZE 8 5/8 20# DEPTH 265
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 255
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 16.4
 PERFS. _____
 DISPLACEMENT Freshwater
 EQUIPMENT _____

OWNER Larson Engineering
 CEMENT
 AMOUNT ORDERED 175sa Cem 3% ce 2% gel

PUMP TRUCK CEMENTER Bobby Roller
 # 362 HELPER David W.
 BULK TRUCK
 # 344-170 DRIVER Kevin W.
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>175</u>	@ <u>16.25</u>	<u>2,843.75</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>184</u>	@ <u>2.25</u>	<u>414.00</u>
MILEAGE	<u>184 x 90x.11</u>		<u>1,821.60</u>
TOTAL			<u>5,492.25</u>

REMARKS:

On location Rig up, Circulate with cement.
Hook up to pump truck. Mix 175sa Cem
3% ce. 2% gel with 27.12 bbls
Cement to start displacement with 15.28 bbls Fresh
water Cement did circulate shut in.

SERVICE

DEPTH OF JOB	<u>255</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE <u>Truck</u>	<u>180</u>	@ <u>7.00</u>	<u>1260.00</u>
MANIFOLD		@	
<u>Light Truck</u>	<u>140</u>	@ <u>4.00</u>	<u>720.00</u>
TOTAL			<u>3105.00</u>

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

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES 3105.00
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME LEWYNE TRESNER
 SIGNATURE [Signature]
Thank you!



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Larson Engineering, Inc
562 West State Road 4
Olmitz, Ks 67564
ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 42229 **DST#: 1**
Test Start: 2011.06.22 @ 06:00:00

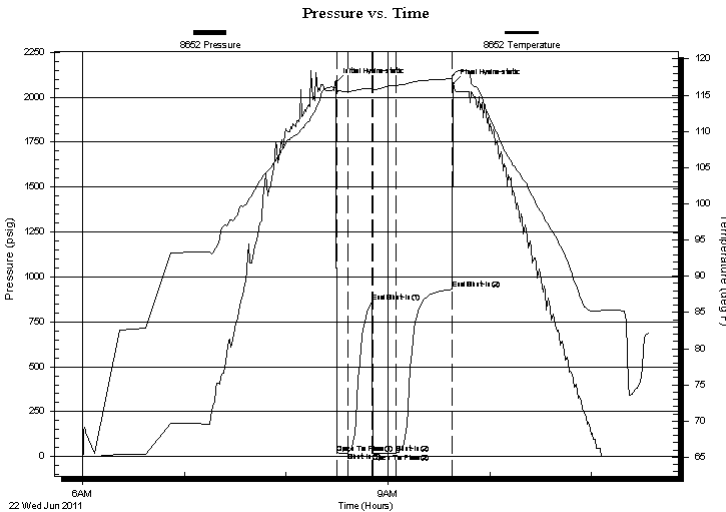
GENERAL INFORMATION:

Formation: **Lansing H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:29:45
Time Test Ended: 11:34:15
Interval: **4158.00 ft (KB) To 4180.00 ft (KB) (TVD)**
Total Depth: 4180.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Bradley Walter
Unit No: 40
Reference Elevations: 2808.00 ft (KB)
2801.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8652 Inside
Press @ Run Depth: 19.93 psig @ 4159.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.06.22 End Date: 2011.06.22 Last Calib.: 2011.06.22
Start Time: 06:00:05 End Time: 11:34:14 Time On Btm: 2011.06.22 @ 08:29:30
Time Off Btm: 2011.06.22 @ 09:38:30

TEST COMMENT: IF: Surface blow .
IS: No return blow .
FF: No Blow .
FS: No return blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.44	116.09	Initial Hydro-static
1	19.24	115.21	Open To Flow (1)
7	21.38	115.52	Shut-In(1)
21	858.70	115.98	End Shut-In(1)
22	19.69	115.71	Open To Flow (2)
36	19.93	116.38	Shut-In(2)
69	930.47	117.29	End Shut-In(2)
69	2073.10	117.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	ocm 10o 90m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc
562 West State Road 4
Olmitz, Ks 67564
ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 42229 **DST#: 1**
Test Start: 2011.06.22 @ 06:00:00

Mud and Cushion Information

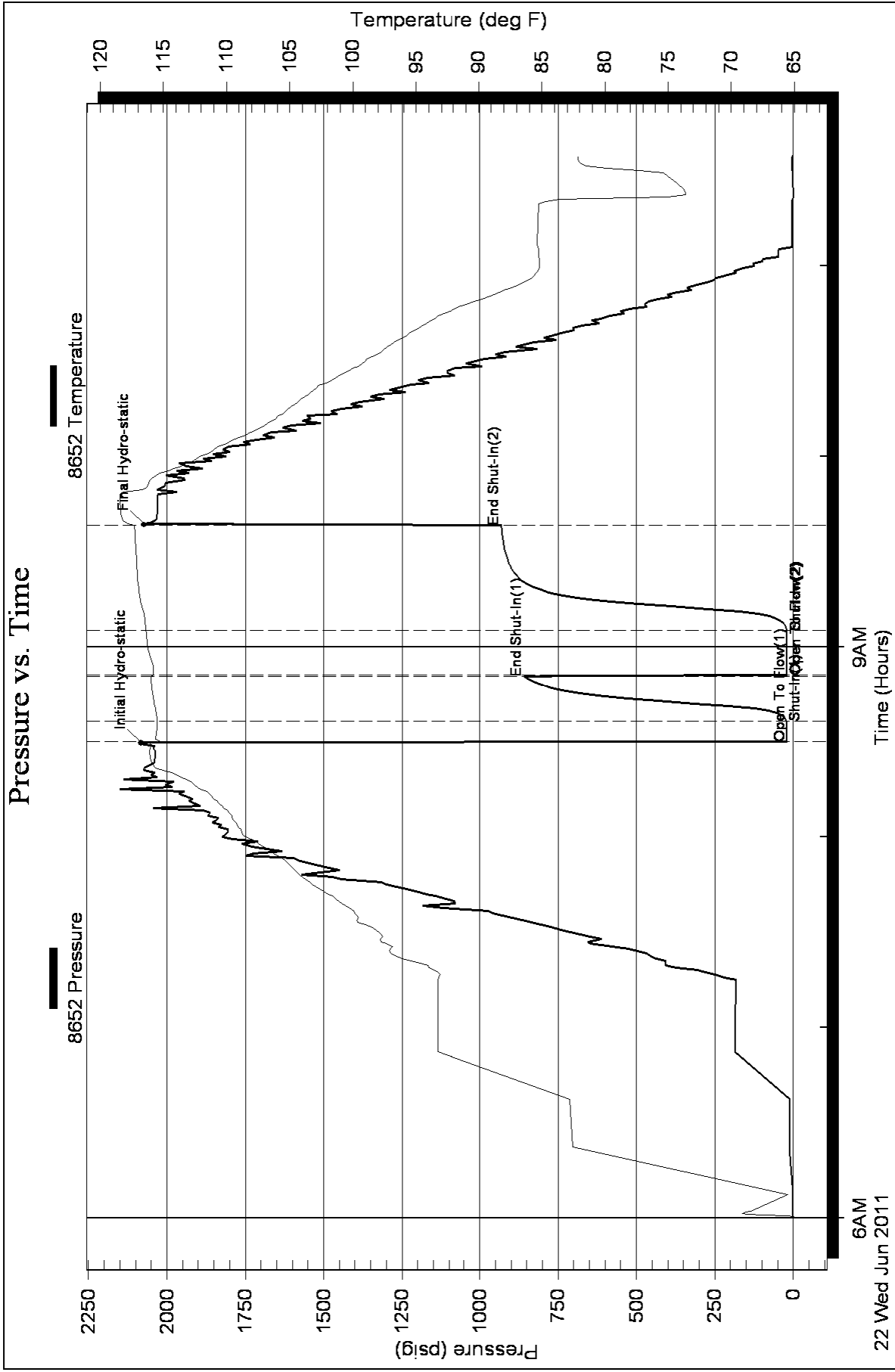
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	ocm 10o 90m	0.024

Total Length: 5.00 ft Total Volume: 0.024 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Larson Engineering, Inc
 562 West State Road 4
 Olmitz, Ks 67564
 ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
 Job Ticket: 42230 **DST#: 2**
 Test Start: 2011.06.22 @ 21:52:00

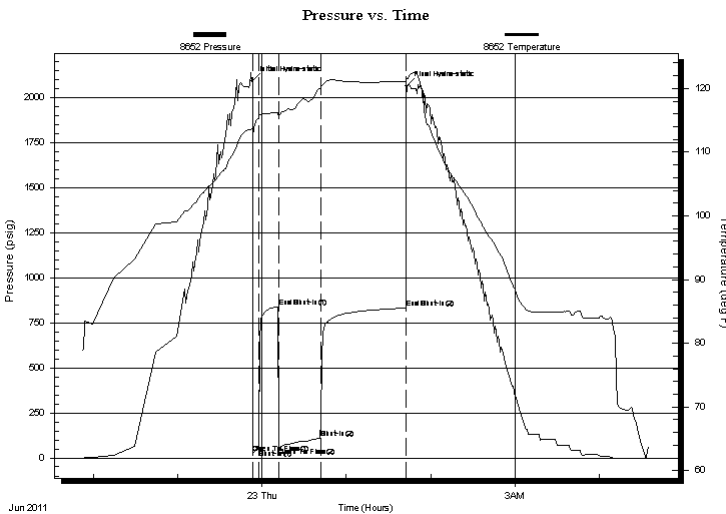
GENERAL INFORMATION:

Formation: **Lansing I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:53:15
 Time Test Ended: 04:36:30
 Interval: **4195.00 ft (KB) To 4228.00 ft (KB) (TVD)**
 Total Depth: 4228.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Bradley Walter
 Unit No: 40
 Reference Elevations: 2808.00 ft (KB)
 2801.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8652 Inside
 Press @ Run Depth: 110.93 psig @ 4196.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.06.22 End Date: 2011.06.23 Last Calib.: 2011.06.23
 Start Time: 21:52:05 End Time: 04:36:29 Time On Btm: 2011.06.22 @ 23:53:00
 Time Off Btm: 2011.06.23 @ 01:43:00

TEST COMMENT: IF: 3 inches blow .
 IS: No return blow .
 FF: BOB @ 14 minutes.
 FS: Surface blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2095.36	113.91	Initial Hydro-static
1	25.92	112.59	Open To Flow (1)
5	49.94	115.26	Shut-In(1)
19	839.54	116.14	End Shut-In(1)
19	57.68	115.61	Open To Flow (2)
49	110.93	120.06	Shut-In(2)
110	831.81	121.09	End Shut-In(2)
110	2065.70	121.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
225.00	gmco 20g 30m 50o	1.85
25.00	oil 100o	0.35
0.00	110 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc
562 West State Road 4
Olmitz, Ks 67564
ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 42230 **DST#: 2**
Test Start: 2011.06.22 @ 21:52:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1500.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

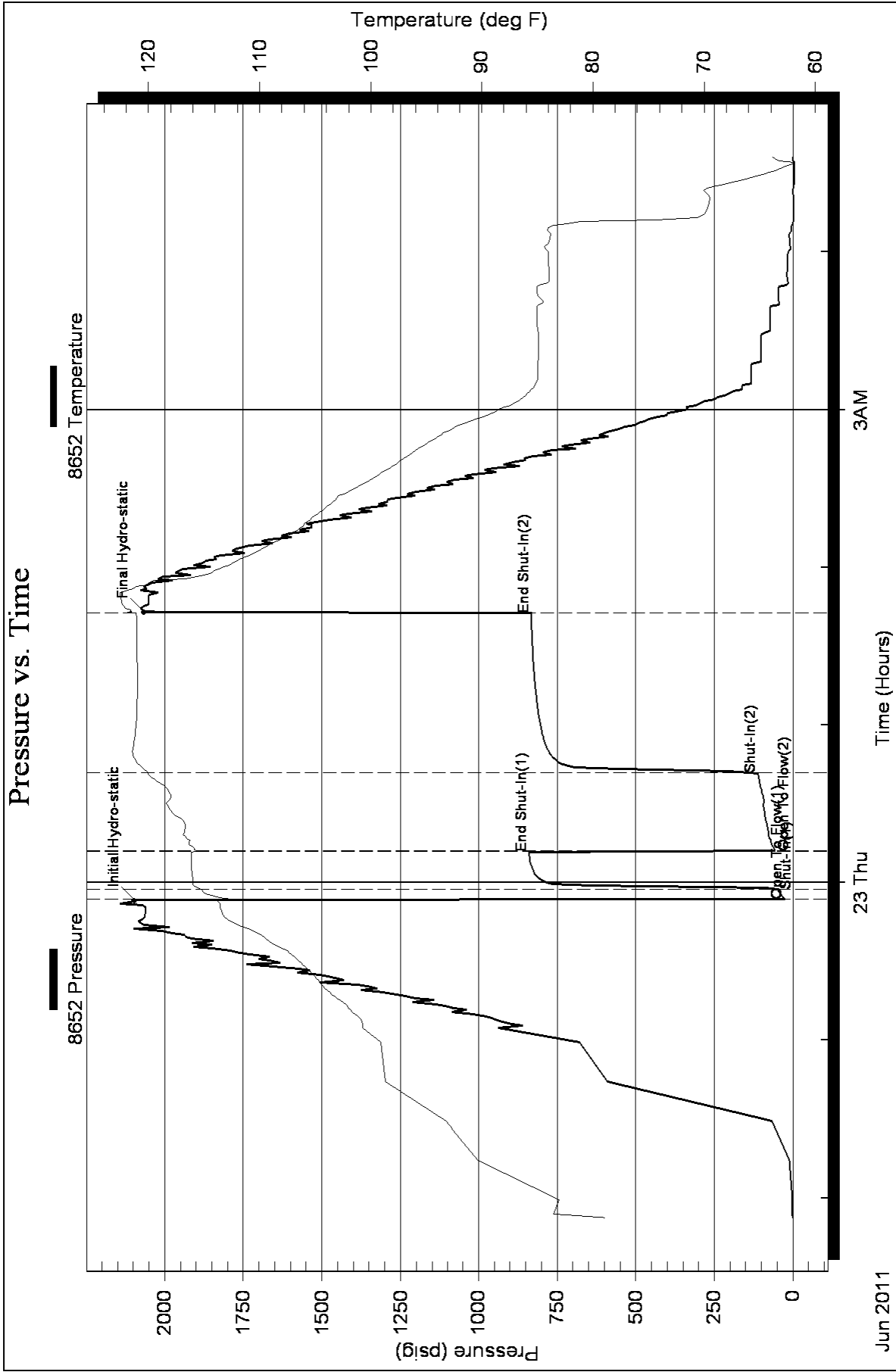
Length ft	Description	Volume bbl
225.00	gmco 20g 30m 50o	1.851
25.00	oil 100o	0.351
0.00	110 GIP	0.000

Total Length: 250.00 ft Total Volume: 2.202 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API is 36 @ 60 = 36





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Larson Engineering, Inc
562 West State Road 4
Olmitz, Ks 67564
ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 42231 **DST#: 3**
Test Start: 2011.06.23 @ 11:52:00

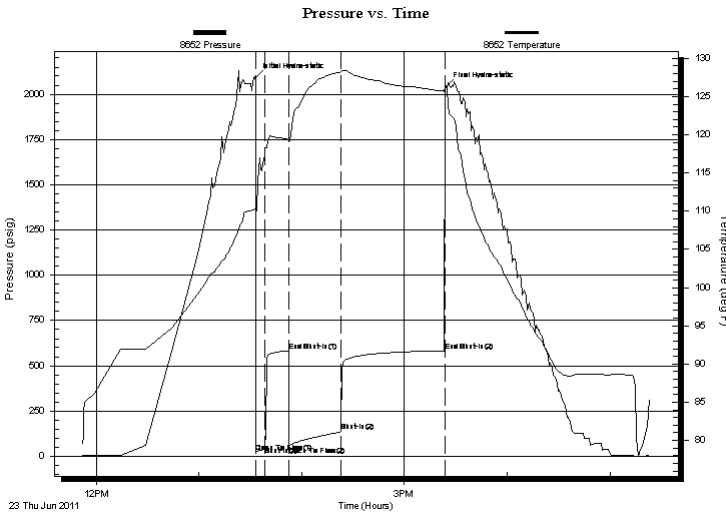
GENERAL INFORMATION:

Formation: **Lansing J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:33:30
Time Test Ended: 17:23:30
Interval: **4230.00 ft (KB) To 4247.00 ft (KB) (TVD)**
Total Depth: 4247.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Bradley Walter
Unit No: 40
Reference Elevations: 2808.00 ft (KB)
2801.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8652 Inside
Press @ RunDepth: 135.45 psig @ 4231.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.06.23 End Date: 2011.06.23 Last Calib.: 2011.06.23
Start Time: 11:52:05 End Time: 17:23:29 Time On Btm: 2011.06.23 @ 13:33:00
Time Off Btm: 2011.06.23 @ 15:24:30

TEST COMMENT: IF: 2 3/4 inches blow .
IS: No return blow .
FF: BOB 23 minutes.
FS: No return blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2090.16	110.37	Initial Hydro-static
1	23.37	109.84	Open To Flow (1)
6	54.32	118.10	Shut-In(1)
20	581.94	119.39	End Shut-In(1)
20	57.94	119.04	Open To Flow (2)
50	135.45	128.23	Shut-In(2)
111	581.66	125.70	End Shut-In(2)
112	2040.52	126.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	mcw 15m 85w	2.48

Gas Rates

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



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FLUID SUMMARY

Larson Engineering, Inc
562 West State Road 4
Olmitz, Ks 67564
ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 42231 **DST#: 3**
Test Start: 2011.06.23 @ 11:52:00

Mud and Cushion Information

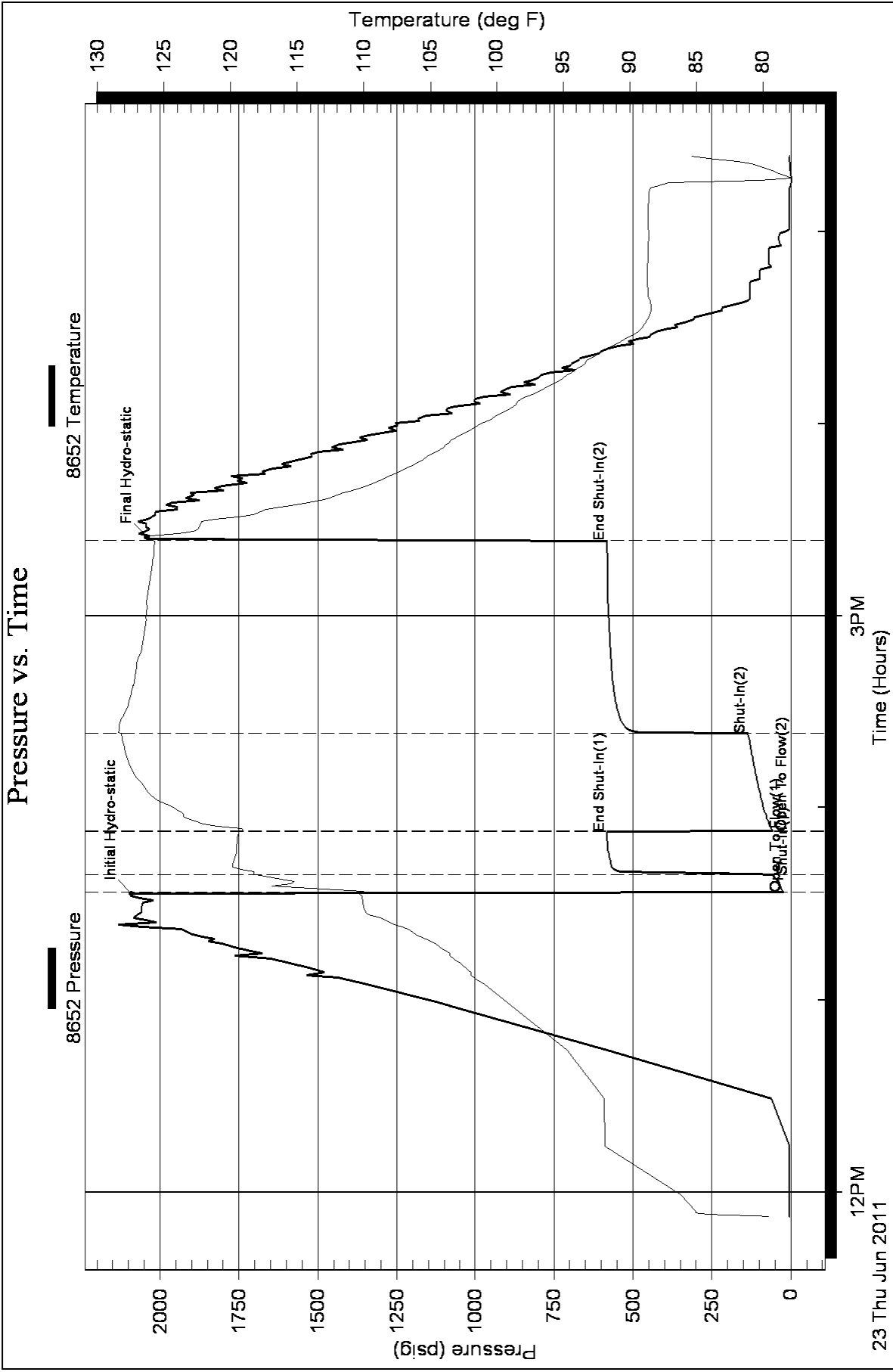
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 43000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1300.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	mcw 15m 85w	2.482

Total Length: 270.00 ft Total Volume: 2.482 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: rw is .120 @ 96.5





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Larson Engineering, Inc
 562 West State Road 4
 Olmitz, Ks 67564
 ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
 Job Ticket: 42232 **DST#: 4**
 Test Start: 2011.06.24 @ 02:00:00

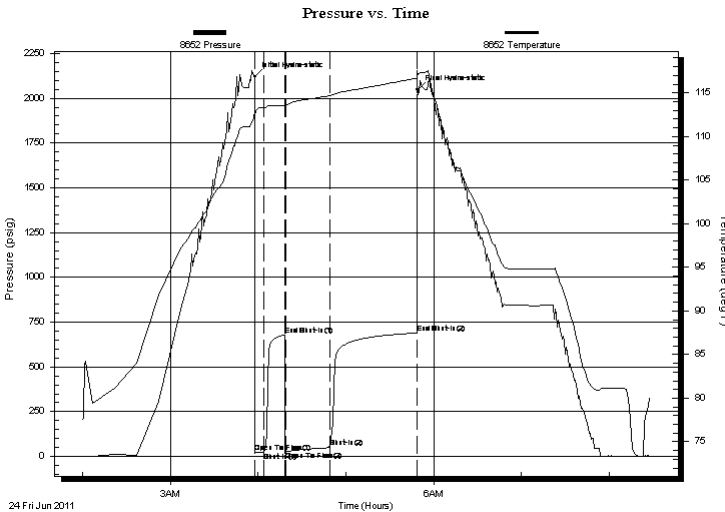
GENERAL INFORMATION:

Formation: **Lansing J (lower)**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:58:00
 Time Test Ended: 08:27:45
 Interval: **4249.00 ft (KB) To 4259.00 ft (KB) (TVD)**
 Total Depth: 4259.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Bradley Walter
 Unit No: 40
 Reference Elevations: 2808.00 ft (KB)
 2801.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8652 Inside
 Press @ RunDepth: 50.01 psig @ 4250.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.06.24 End Date: 2011.06.24 Last Calib.: 2011.06.24
 Start Time: 02:00:05 End Time: 08:27:44 Time On Btm: 2011.06.24 @ 03:57:45
 Time Off Btm: 2011.06.24 @ 05:49:00

TEST COMMENT: IF: 1 1/2 inch blow .
 IS: No return blow .
 FF: 5 inches blow .
 FS: No return blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.63	113.07	Initial Hydro-static
1	21.43	112.40	Open To Flow (1)
6	26.06	113.34	Shut-In(1)
21	680.17	113.58	End Shut-In(1)
21	26.84	113.59	Open To Flow (2)
51	50.01	114.67	Shut-In(2)
111	689.23	116.69	End Shut-In(2)
112	2048.55	117.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	mco 40m 60o	0.19
65.00	go 10g 90o	0.31
0.00	105 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc

Paris #1-11

562 West State Road 4
Olmitz, Ks 67564

11 19s 29w Lane Ks

Job Ticket: 42232

DST#: 4

ATTN: Vern Schrag

Test Start: 2011.06.24 @ 02:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	mco 40m 60o	0.188
65.00	go 10g 90o	0.306
0.00	105 GIP	0.000

Total Length: 105.00 ft Total Volume: 0.494 bbl

Num Fluid Samples: 0

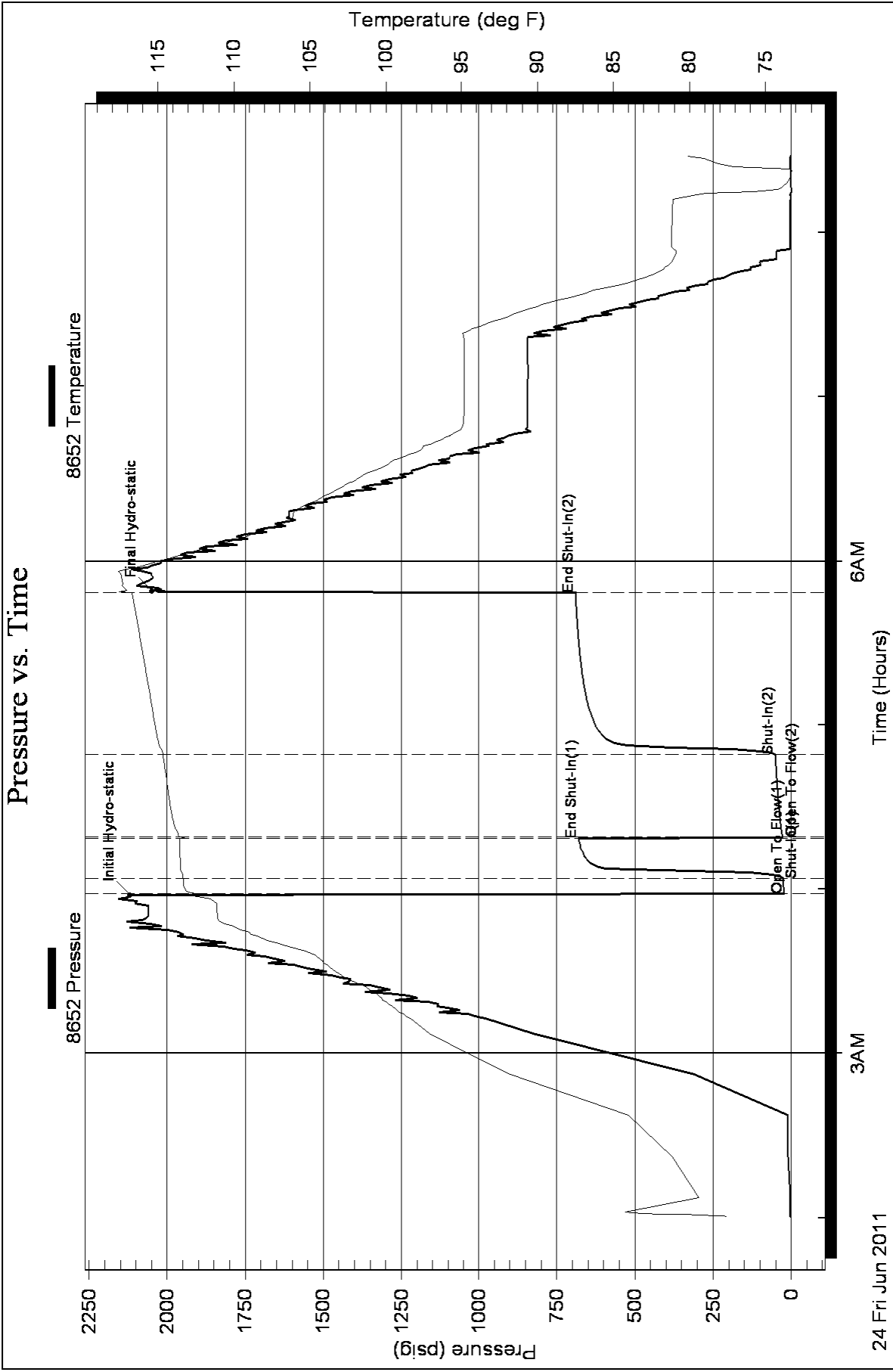
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 38 @ 70 = 37





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DRILL STEM TEST REPORT

Larson Engineering, Inc
562 West State Road 4
Olmitz, Ks 67564
ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 042233 **DST#: 5**
Test Start: 2011.06.24 @ 15:54:00

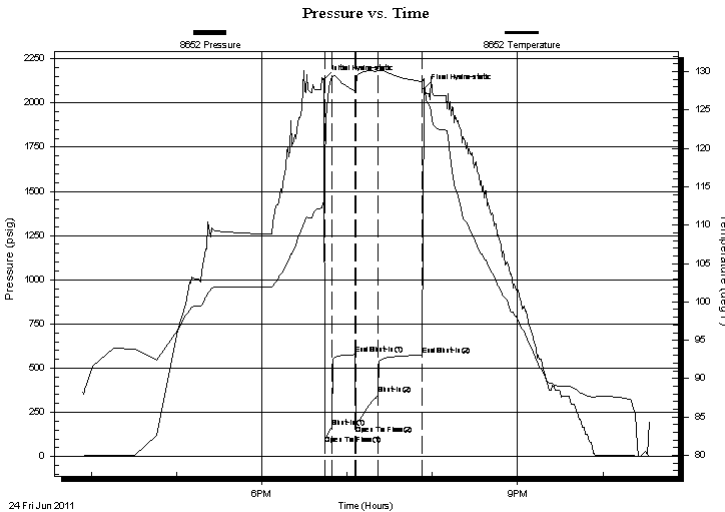
GENERAL INFORMATION:

Formation: **Lansing K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:44:15
Time Test Ended: 22:33:15
Interval: **4257.00 ft (KB) To 4269.00 ft (KB) (TVD)**
Total Depth: 4269.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Bradley Walter
Unit No: 40
Reference Elevations: 2808.00 ft (KB)
2801.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8652 Inside
Press @ RunDepth: 350.44 psig @ 4258.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.06.24 End Date: 2011.06.24 Last Calib.: 2011.06.24
Start Time: 15:54:05 End Time: 22:33:14 Time On Btm: 2011.06.24 @ 18:44:00
Time Off Btm: 2011.06.24 @ 19:54:15

TEST COMMENT: IF: BOB @ 2.5 minutes.
IS: No return blow.
FF: BOB @ 4 minutes.
FS: No return blow.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.04	113.10	Initial Hydro-static
1	69.63	112.32	Open To Flow (1)
6	166.56	129.19	Shut-In(1)
22	577.08	127.51	End Shut-In(1)
23	179.59	127.34	Open To Flow (2)
38	350.44	130.09	Shut-In(2)
69	574.61	128.70	End Shut-In(2)
71	2080.97	128.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	mcw 5m 95w	5.71
238.00	omcw 10o 15m 75 w	3.34
2.00	Oil 100o	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc
562 West State Road 4
Olmitz, Ks 67564
ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 042233 **DST#: 5**
Test Start: 2011.06.24 @ 15:54:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 46000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1800.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

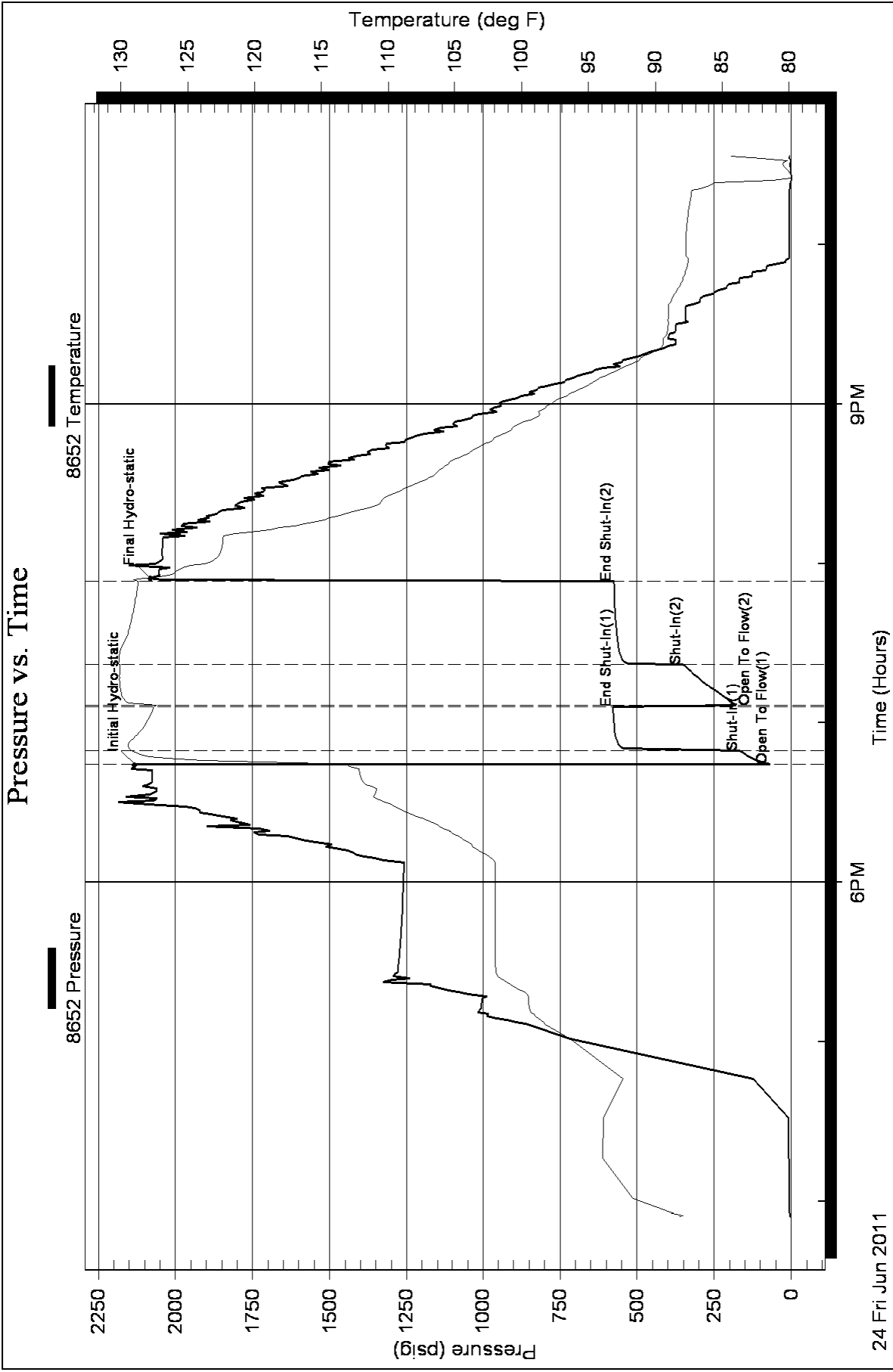
Length ft	Description	Volume bbl
500.00	mcw 5m 95w	5.708
238.00	omcw 10o 15m 75 w	3.339
2.00	Oil 100o	0.028

Total Length: 740.00 ft Total Volume: 9.075 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw is .135 @ 79f = 46,000ppm





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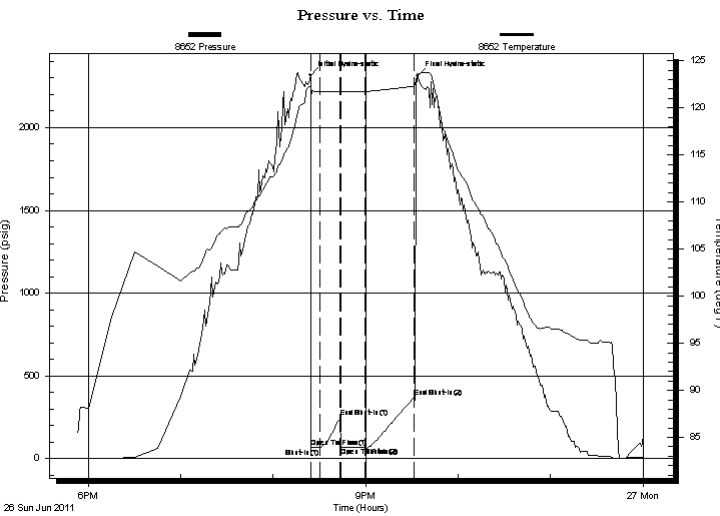
Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 042234 **DST#: 6**
Test Start: 2011.06.26 @ 17:53:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:24:30
Time Test Ended: 00:01:00
Interval: **4532.00 ft (KB) To 4585.00 ft (KB) (TVD)**
Total Depth: 4585.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Bradley Walter
Unit No: 40
Reference Elevations: 2808.00 ft (KB)
2801.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8652 Inside
Press @ Run Depth: 66.67 psig @ 4533.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.06.26 End Date: 2011.06.27 Last Calib.: 2011.06.27
Start Time: 17:53:05 End Time: 00:00:59 Time On Btm: 2011.06.26 @ 20:24:15
Time Off Btm: 2011.06.26 @ 21:33:45

TEST COMMENT: IF: Surface blow .
IS: No return blow .
FF: No blow
IS: No return blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.43	122.35	Initial Hydro-static
1	66.93	121.11	Open To Flow (1)
6	63.01	121.69	Shut-In(1)
20	247.75	121.75	End Shut-In(1)
20	66.32	121.62	Open To Flow (2)
35	66.67	121.74	Shut-In(2)
68	369.17	122.29	End Shut-In(2)
70	2313.65	123.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100m (oil spots)	0.28

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc
562 West State Road 4
Olmitz, Ks 67564
ATTN: Vern Schrag

Paris #1-11
11 19s 29w Lane Ks
Job Ticket: 042234 **DST#: 6**
Test Start: 2011.06.26 @ 17:53:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: 2.00 inches			

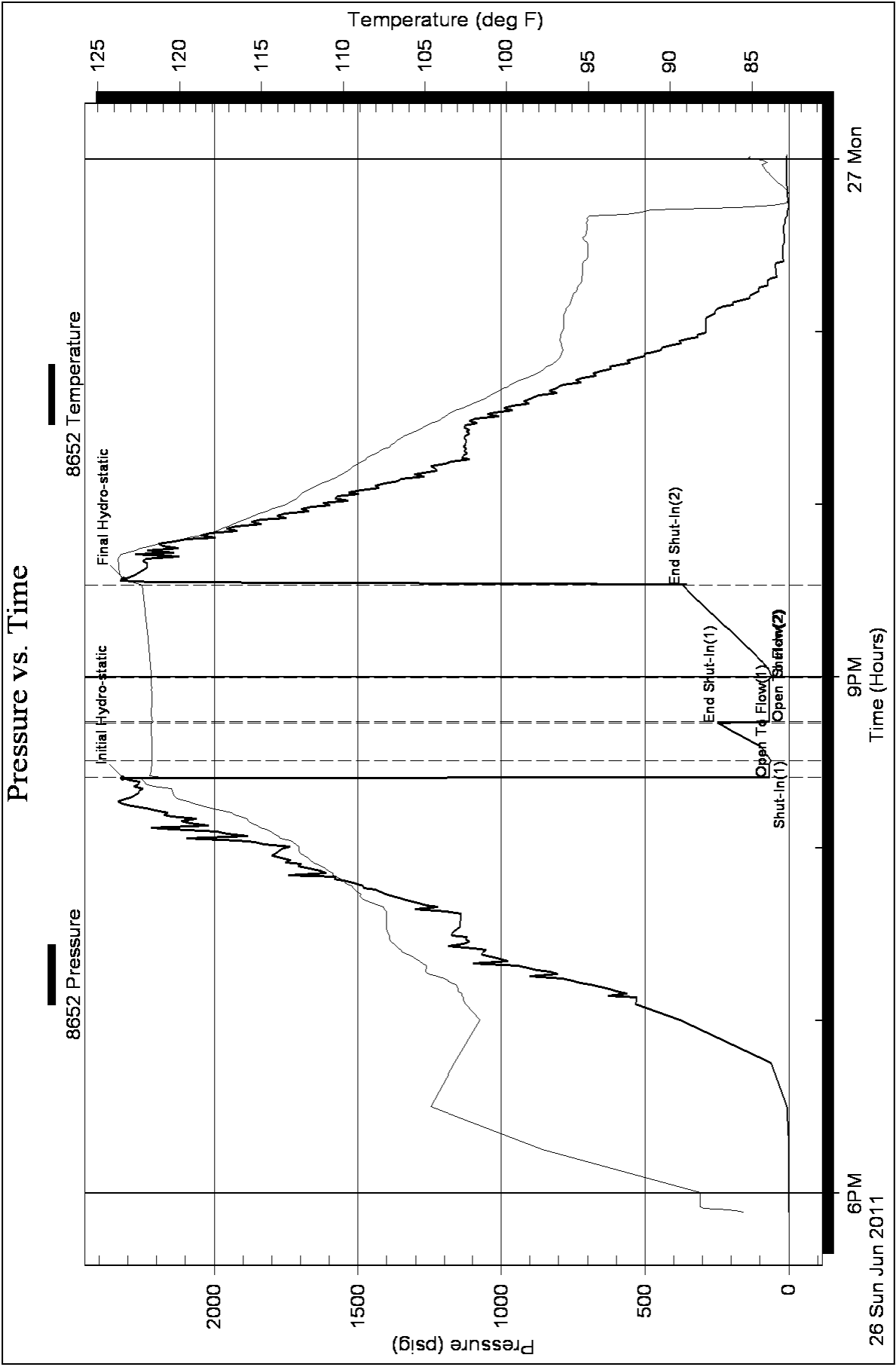
Recovery Information

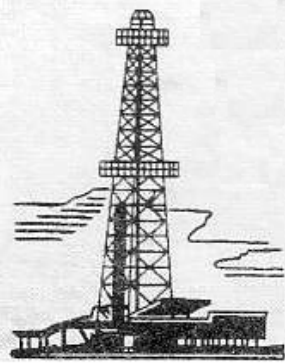
Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100m (oil spots)	0.282

Total Length: 60.00 ft Total Volume: 0.282 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





WELLSITE GEOLOGIST'S REPORT

VERNON C. SCHRAG
CONSULTANT GEOLOGIST



Scale 1:240 (5"=100') Imperial

Well Name: PARIS #1-11
Location: SE NW NW SE Sec. 11-19s-29w
Licence Number: API: 15-101-22296
Spud Date: June 16, 2011
Surface Coordinates: 2230' FSL & 2265' FEL

Region: Lane Co., KS
Drilling Completed: June 27, 2011

Bottom Hole Coordinates:	Vertical Hole
Ground Elevation (ft): 2801'	K.B. Elevation (ft): 2808'
Logged Interval (ft): 3600'	To: RTD Total Depth (ft): 4651'
Formation: Mississippi	
Type of Drilling Fluid: Chemical Premix (Displaced)	

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR:

Company: LARSON ENGINEERING, INC.
Address: 562 West State Road 4
Olmitz, KS 67564-8561

DRILLING CONTRACTOR:

H. D. Drilling, LLC, Rig #3

DP 4.5" XH (16.6#); DC 6.0" (ave) x 2-3/8" (ave) x 650.05', Kelly + Bit 41.30', Tool Joint 5.5" ; Bit: JZ QX20, 7-7/8", jets 14-14-14; rpm 80, WOB 35k; Kelly Bushing 7' above ground level; LeWayne "Lew" Tresner (tool pusher).

SURFACE CASING:

Set 8-5/8" casing at 252' (20#).

CIRCULATION SYSTEM:

Pump: EMSCO D-300, duplex, 6 x 14, 2" rod, 54 spm, 297 gpm (85%). SPP: 750-900 psi; Chemical, premix, displaced at 3550'; Morgan Mud, Inc., McCook, Neb., David Lines, Cade Lines.

GAS DETECTION SYSTEM:

None.

OPEN HOLE LOGS:

DN (PE), DI (SP), ML: 5" detail RTD-3600; 2" DI to surface casing; No Sonic Log; LogTech-Pioneer Wireline, Hays, KS, C. Desaire, Log total depth (4651') was flat to rotary total depth (4651').

DRILL STEM TEST #1:

Zone: Kans. City "H": Test Interval: 4158-4180' (22' anchor); Blow: weak surf IFP, no blow FFP; Time Periods: 5-15-15-30; Recovery: 5' OCM (10% oil, 90% mud); Pressures: HP: 2082-2073; SIP: 859-930; FP: 19-21, 20-20; BHT: 117 deg F; dual packers, jars, joints, 140' collars; Trilobite Testing, Inc., Bradley "Walt" Walter.

DRILL STEM TEST #2:

Zone: Kans. City "I": Test Interval: 4195-4228 (33' anchor); Blow: weak incr 3" IFP, no return; weak incr BOB 14 min FFP, weak surf return blow; Time Periods: 5-15-30-60; Recovery: 110' GIP, 25' oil (100% oil, 36 API grav.), 225' GMO (20% gas, 30% mud, 50% oil); Pressures: HP: 2095-2066; SIP: 840-832; FP: 26-50, 58-111; BHT: 121 deg F; dual packers, jars, joints, 140' DC, Trilobite Testing, Inc., Bradley "Walt" Walter.

DRILL STEM TEST #3:

Zone: Kans. City "J": Test Interval: 4230-4247 (17' anchor); Blow: weak incr 3" IFP, no return; BOB 23 min FFP, no return; Time Periods: 5-15-30-60; Recovery: No GIP; 270' Muddy Water with oil spots (15% mud, 85% water, Rw 0.12 at 96 deg F, chlorides 43k); Pressures: HP: 2090-2041; SIP: 582-582; FP: 23-54, 58-135; BHT: 126 deg F; dual packers (shale packer), jars, joints, 140' DC; Trilobite Testing, Inc., Bradley "Walt" Walter.

DRILL STEM TEST #4:

Zone: Kans. City "Lower J-zone": Test Interval: 4249-4259 (10' anchor); Blow: weak incr 1-1/2" IFP, weak incr 5" FFP, no return blow; Time Periods: 5-15-30-60; Recovery: 105' GIP, 65' gassy oil (37 API grav.), 40' muddy oil (40% mud, 60% oil), no water; Pressures: HP: 2119-2049, SIP: 680-689, FP: 21-26, 27-50; BHT: 117 deg F; dual packers (shale packer), jars, joints, 140' DC, Trilobite Testing, Inc., Bradley "Walt" Walter.

DRILL STEM TEST #5:

Zone: Kans. City "K": Test Interval: 4257-4269 (12' anchor); Blow: BOB 2-1/2 min IFP, no RB, Time Periods: 5-15-15-30; Recovery: 740' total fluid, no GIP, 2' oil, 238' oil cut muddy water (10% oil, 15% mud, 75% water), 500' muddy water (5% mud, 95% water, Rw 0.135 at 79 deg F, chlorides 46k); Pressures: HP: 2132-2081, SIP: 577-575; FP: 70-167, 180-350; BHT: 129 deg F; dual packers, jars, joints, 140' DC, Trilobite Testing, Inc., Bradley "Walt" Walter.

DRILL STEM TEST #6:

Zone: Cherokee Lime: Test Interval: 4532-4585 (53' anchor); Blow: surface blow IFP, no RB, no blow FFP; Time Periods: 5-15-15-30; Recovery: 60' mud with oil spots (100% mud); Pressures: HP: 2317-2314; SIP: 248-369; FP: 67-63, 66-66; BHT: 122 deg F; dual packers, jars, joints, 140' DC, Trilobite Testing, Inc., Bradley "Walt" Walter.

COMPLETION:

Oil Well.

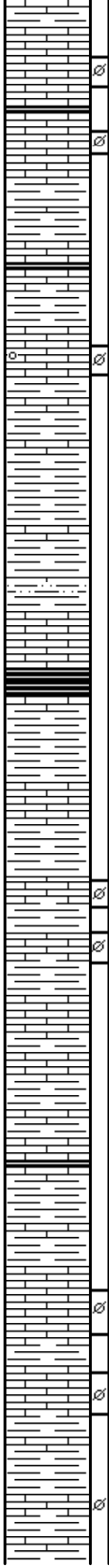
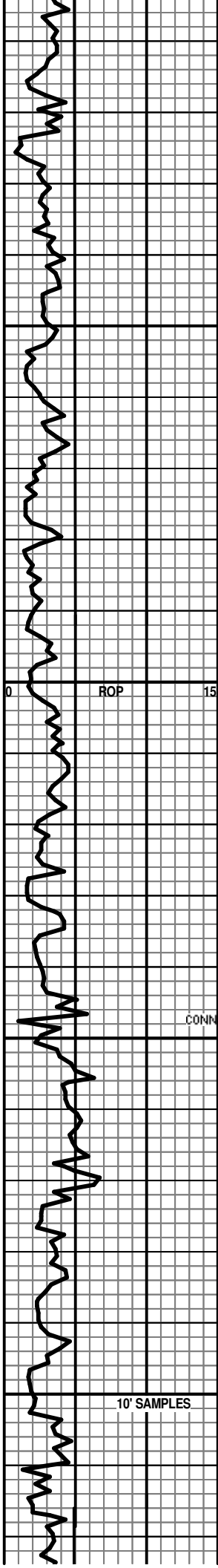
7AM DAILY ACTIVITY:

06/16: MIRT, SPUD
 06/17: Drilling 492'
 06/18: Drilling 1990'
 06/19: Drilling 2850'
 06/20: Drilling 3445'
 06/21: Drilling 3948'
 06/22: DST #1 4180'
 06/23: DST #2 4228'
 06/24: DST #4 4259'
 06/25: CFS 4313'
 06/26: Drilling 4516'
 06/27: Drilling 4648'
 06/27: RTD 4651 7:11am.
 06/27: Released 3 pm

WELLSITE GEOLOGIST:

Vern Schrag

<p align="center">ROP ROP (min/ft) ———</p>	<p align="center">DST</p>	<p align="center">Lithology</p>	<p align="center">Porosity and Show</p>	<p align="center">Depth</p>	<p align="center">Geological Descriptions</p>	<p align="center">TG, C1-C4 / REMARKS</p>
				<p>3600</p> <p>3650</p> <p>3700</p>	<p>ANHYDRITE 2132 (+676) B/ANHY 2160 (+648)</p> <p>LS: LT-MD GRAY; VF-F XTAL; DENSE, PLATEY; GRANULAR IN PART; POOR APPARENT POROSITY; NO SHOWS.</p> <p>LS: AS ABOVE WITH DK-GRAY SHALE INCLUSIONS;</p> <p>LS: LT-MD GRAY, MOTTLED DK GRAY; VF-F XTAL; SHALE INCLUSIONS; POOR APPARENT POROSITY; NO SHOWS.</p> <p>LS: LT-MD GRAY; VF-F XTAL; GRANULAR IN PART; MOSTLY DENSE; TIGHT INT GRAN POROSITY; NO SHOW.</p> <p>TOPEKA 3690 (-882)</p> <p>LS: LT-MD GRAY, MOTTLED; VF-XTAL; DENSE, PLATEY; POOR APPARENT POROSITY; NO SHOWS.</p>	<p>REFERENCE WELL: PALOMINO PETROLEUM, INC., ANHERT-PARIS #1, N/2 S/2 SEC 11 - 19S - 29W, KB 2812, RADIATION GUARD LOG.</p> <p>GEOLOGIST ON LOCATION ABOUT 3612, 06/20/2011. START DATA ACQUISITION ABOUT 3653.</p>



3750

LS: AS ABOVE; SHALEY;

LS: LT-MD GRAY; VF-XTAL; DENSE, ANGULAR; SOME GRANULAR WITH TIGHT INT GRAN POROSITY; NO SHOWS.

LS: AS ABOVE, SOME DK GRAY & SHALEY;

LS: LT GRAY; VF-XTAL; TRC OOMOLDIC; MOSTLY TIGHT INT XTAL POROSITY; NO SHOWS; 3780.

LS: LT-MD GRAY, MOTTLED DK GRAY IN PART; VF-XTAL; SHALEY; FOS; POOR APPARENT POROSITY; NO SHOWS.

CUTTINGS IMPROVED AT 3820.

LS: MED GRAYISH BROWN; VF-XTAL; MOSTLY DENSE; SLI FOS; VF-BRN SH INCLUSIONS; NO APPARENT POROSITY; NO SHOWS.

3800

SH: BLACK; < 5% 3820;

LS: LT-BROWN, LT GRAY; VF-XTAL; SLI CHALKY; POOR APPARENT POROSITY; NO SHOWS;

LS: LT GRAYISH BROWN; VF-XTAL; SLI FOS; MOSTLY DENSE; FINELY GRANULAR IN PART; TIGHT INT GRAN POROSITY; NO SHOWS.

3850

LS: GRAYISH BROWN; VF-XTAL; MOSTLY DENSE; SLI CHERTY; NO APPARENT POROSITY; NO SHOWS.

SH: BLACK; POORLY EXPRESSED.

LS: AS ABOVE, SLI FOS;

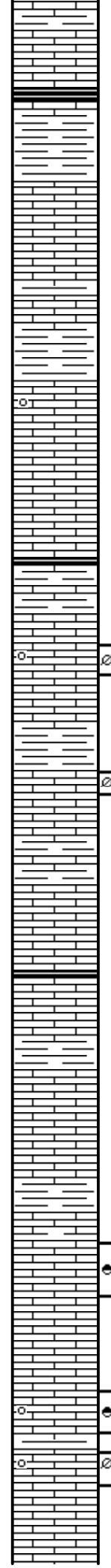
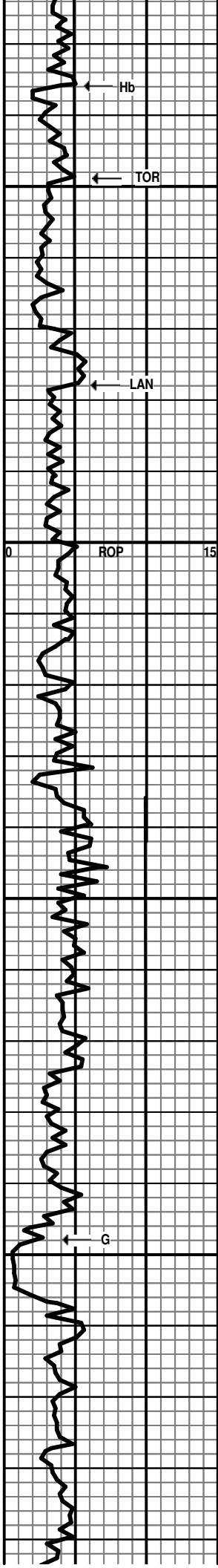
LS: LT GRAY; VF-XTAL; FINELY GRANULAR; TIGHT INT GRANULAR POROSITY; NO SHOWS; 3910.

3900

LS: AS ABOVE; 3920.

LS: LT GRAY, MOTTLED DK GRAYISH BRN W/ SHALE INCLUSIONS; VF-XTAL; POOR APPARENT POROSITY; NO SHOWS;

LS: SHALEY AS ABOVE;



3950

HEEBNER 3936 (-1128)
SH: BLACK; CARBON; (CORRECTED TOP)

SH: GREEN, GRAY;

3950

TORONTO 3949 (-1141)

LS: LT GRAYISH BROWN; VF-XTAL; DENSE; CHALKY IN PART; TRC CHERT; POOR APPARENT POROSITY; NO SHOWS.

LS: LT-GRAY; VF-XTAL; DENSE; SLI FOS; NO APPARENT POROSITY; NO SHOWS.

LANSING 3978 (-1170)
(CORRECTED TOP)

LS: LT GRAYISH BROWN; VF-XTAL; DENSE, SLI CHALKY; TRC MED OOLITE; TIGHT INT OOL POROSITY; NO SHOWS;

LS: LT-BROWN; VF-XTAL; SLI CHALKY; CHERTY; NO APPARENT POROSITY; NO SHOWS;

4000

SH: GRAY, DK GRAY;

LS: LT-BROWN; VF-XTAL; DENSE TO CHALKY; TRC OOLITIC; POOR INT OOL POROSITY; NO SHOWS; 4030.

LS: LT-GRAYISH BROWN; VF-XTAL; DENSE; CHERTY; NO APPARENT POROSITY; NO SHOWS.

LS: LT-GRAYISH BROWN; VF-XTAL; CHALKY IN PART; POOR FINE VUG TO PIN POINT POROSITY; NO SHOWS.

LS: LT-BROWN; VF-XTAL; TIGHT INT XTAL POROSITY; NO SHOWS.

4050

LS: LT-BROWN; VF-XTAL; MOSTLY DENSE; CHERTY; SOME SLI GRANULAR; VERY TIGHT INT GRANULAR POROSITY; NO SHOWS.

LS: LT-BROWN; VF-XTAL; MOSTLY DENSE, PLATEY; SOME CHALKY; NO APPARENT POROSITY; NO SHOWS.

LS: LT-BROWN; VF-XTAL; MOSTLY DENSE, PLATEY; SOME CHALK; POOR APPARENT POROSITY; NO SHOWS.

LS: AS ABOVE;

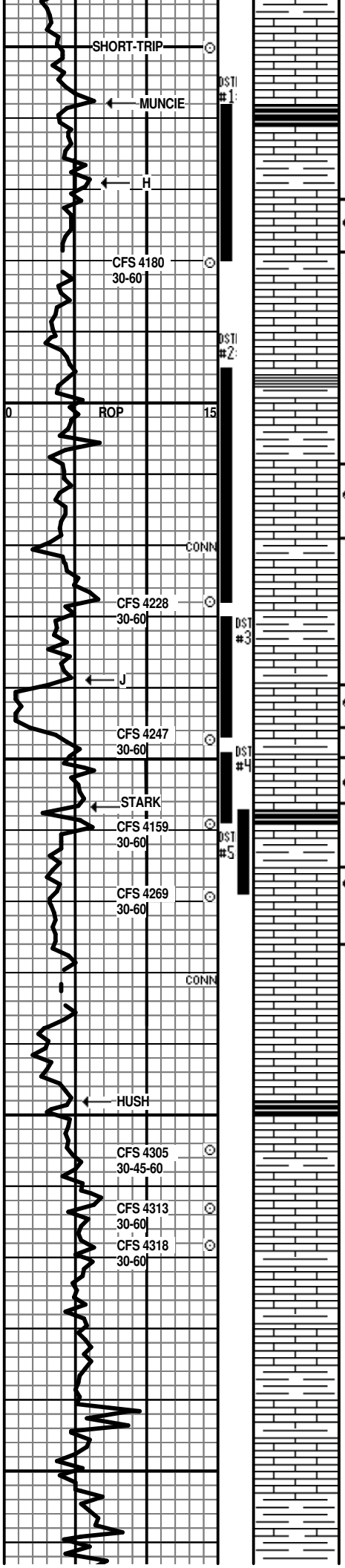
4100

LS: LT BROWN; VF-XTAL; TRACE SCATTERED PIN POINT POROSITY WHICH YIELDS FEW MICRO-DROPS BLACK OIL AFTER CRUSHING; TRACE SPOTTED STAIN (DRY); NO ODOR; 4120, 4130.

LS: MED GRAYISH BROWN; VF-XTAL; COARSE OOM; GOOD OOMOLDIC POROSITY; 1/50 WITH SLI SHOW OIL; MOSTLY DULL FLUOR, FEW CHIPS WITH YEL CALCITE FLUOR; NO DOR; 4140, INCR 4150.

LS: LT-BRN, LT GRAY, OFF-WHITE; MIC-VF XTAL; MOSTLY

MORGAN MUD CHECK WHILE DRILLING: 4007:
06/21-11am: VIS 54, WT 9.2, WL 7.2, CHL 1300, LCM 1#.



4150
4200
4250
4300
4350

MUNCIE CREEK 4158 (-1350)

SH: BLACK; CARBON; TRC 4170, INCR 4180.
 LS: LT-MED GRAYISH BROWN; VF-XTAL; FOS GRAINS DARKER THAN MATRIX; TRC CHERT; TIGHT INT FOS POROSITY; NO SHOWS;
 LS: LT-BRN; VF-XTAL; MED OOMOLDIC; GOOD OOM POROSITY; LOOKS CLEAN UNTIL CRUSHING YIELDS GUSH OF DK BRN OIL; CATCHER SAYS FAINT ODOR AT STOVE; BRIGHT YEL FLUOR IS A VERY FINE SPECKLED PATTERN WHICH LACKS INTENSITY;
 LS: LT BROWN, GRAYISH BROWN; VF-XTAL; MOSTLY DENSE; SOME CHALKY; NO APPARENT POROSITY; NO SHOWS;

SH: BLACK; TRACE AT BEST;
 LS: MED-DK BROWN; VF-XTAL; DENSE; NO APPARENT POROSITY; NO SHOWS;

LS: LT GRAYISH BROWN; VF-XTAL; INCLUDES GRAY OPAQ CHERT; VF FOS GRAINSTONE; V-TIGHT INT GRAIN POROSITY; PIN POINT STAIN; CRUSH VERY SLI SHOW OIL; NO ODOR; FEW CHIPS W/ SPOTTED STAIN (DRY); STARTS 4220, SLI INCR 4228 & 30 MIN.

LS: LT-MD GRAYISH BROWN; VF-XTAL; MOSTLY DENSE, CHALKY IN PART; NO APPARENT POROSITY; NO SHOWS.

J-ZONE: LS: LT-GRAYISH BROWN; VF-XTAL; COARSE OOMOLDIC; GOOD OOM POROSITY; 1/10 CHIPS WITH SPOTTED DARK STAIN WHICH CRUSH SLI SHOW OIL; STRONG ODOR; SOME BRIGHT CHALK FLUOR; 4247-30 MIN.

LOWER J-ZONE: LS: LT GRAYISH BROWN; VF-XTAL; MOSTLY DENSE, CHALKY IN PART; TRC CHERT; SCAT MED VUGS IN TOUGH MATRIX WITH MOSTLY YEL BUT TRC BLUISH, SPOTTED TO EVEN FLUOR; BLEEDING POOR-FAIR SHOW OIL; STRONG ODOR; 25% 4259 STOP, 30 MIN ... ONLY SLI STAINS AND DECR FLUOR DRY;

STARK SH 4257 (-1449)

SH: BLACK; CARBON; FEW CHIPS 4259-30, INCR 60m.
 K-ZONE: LS: LT-MED GRAYISH BROWN; VF-XTAL; INCLUDES SMOKEY, SEMI-TRANS CHERT; FOS GRAINSTONE IN PART; FEW ISOLATED MED VUGS & TIGHT INT GRAIN POR; SLI SHOW MED BRN & DARK OIL; NO ODOR; <10% 4269-30 MIN. SPOTTED STAIN DRY; SPOTTED DULL FLUOR AT BEST;
 LS: LT-GRAY; VF-XTAL; DENSE TO CHALKY; SLI SILICEOUS; NO APPARENT POROSITY; NO SHOWS;
 LS: LT-GRAYISH BROWN; VF-XTAL; DENSE TO CHALKY; SLI CHERTY; SLI GRANULAR; TRC BRN SH CONTACT; NO APPARENT POROSITY; NO SHOW. 4305, 4305-30m.

HUSHPUCKNEY 4298 (-1490)

SH: BLACK; CARBON; 10% 4305-45 MIN.
 MID CRK LS: MED-DK BROWN; VF-XTAL; DENSE; TRC VF-VUG POROSITY W/ SLI DRUSE & PIN POINT STAINS; V-SLI YEL FLUOR; NO ODOR; 4305-45 MIN.
 SH: GREEN, WAXY;
 L-ZONE LS: LT GRAY; VF-XTAL; MOSTLY DENSE, SOME CHALK; SMOOTH; TRC CHERT; NO APPARENT POROSITY; V-DULL FLUOR; NO SHOW.
 LS: LT GRAYISH BROWN; VF-XTA; DENSE; NO APPARENT POROSITY; NO SHOW.

LS: AS ABOVE;

LS: MED BROWN; VF-XTAL; DENSE; NO VISIBLE POR; NO SHOW.

LS: LT-MED GRAYISH BROWN; VF XTAL; DENSE; SLI CHALKY IN PART; TRC CHERT; NO APPARENT POROSITY; NO SHOWS.

LS: LT-BROWN & MED-DK BRN CONTACTING; VF-XTAL; DENSE; NO APPARENT POROSITY; NO SHOWS; ALSO DK GRAY & GREEN

STOP AT 4150, STRAP 15 MIN, 22 STAND SHORT- TRIP WAS UNEVENTFUL. CIRC 60 MIN BEFORE DRILL AHEAD.

BOARD: 4189.99, STRAP: 4188.53, STRAP WAS SHORT 1.46'

DST #1: 4158-4180: WEAK BLOW; 5-15-15-30; 5' OCM; SIP: 859-930; FP: 19-21, 20-20.

CIRC 30 MIN BEFORE DRILLING AHEAD.

MORGAN MUD CHECK WHILE T.I.H.: 4180: 06/22-11am: VIS 54, WT 9.4, WL 6.8, CHL 1500, LCM 1#.

DST #2: 4195-4228: WEAK INCR BLOW 3"; BOB 14 MIN FFP; 5-15-30-60; 110' GIP & 25' OIL & 225' GMCO; SIP: 840-832; FP: 26-50, 58-111.

CIRC 30 MIN BEFORE DRILLING AHEAD.

MORGAN MUD CHECK WHILE T.O.H.: 4247: 06/23-10am: VIS: 57; WT 9.2; WL: 6.8; CHL: 1500; LCM: 1#.

DST #3: 4230-4247: WEAK INCR 3" IFP, BOB 23 MIN FFP; 270' MCW (OIL SPOTS); SIP: 582-582; FP: 23-54, 58-135.

CIRC 60 MIN BEFORE DRILLING AHEAD.

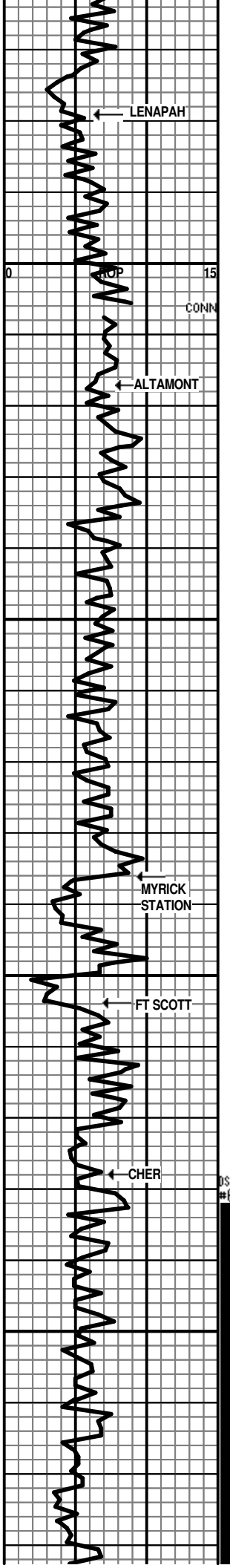
DST #4: 4249-4259: WEAK BLOW INCR 5" FFP; 5-15-30-60; 105' GIP; 65' GO; 40' MCO; SIP: 680-689, FP: 21-26, 27-50.

CIRC 60 MIN BEFORE DRILLING AHEAD.

MORGAN MUD CHECK WHILE CIRC.: 4259: 06/26-11am: VIS 49, WT 9.1, WL 8.0, CHL 1800, LCM 1/2#.

DST #5: 4257-4269: BOB 2-1/2 MIN; 5-15-15-30; 2' OIL, 238' OMCW, 500' MCW; SIP: 577-575; FP: 70-167, 180-350;

MORGAN MUD CHECK WHILE DRILLING: 4342: 06/25-12pm: VIS 52, WT 9.2, WL 7.6, CHL 2300, LCM 1#.



4400

SH: GREEN, GRAY; SOME BLACK, SOME MOTTLED GREEN & BLACK; PYRITIFEROUS IN PART;
MARMATON 4379 (-1571)
 LS: LT-MED BROWN; MIC-VF XTAL; DENSE; SLI CHALKY FOS GRAINSTONE IN PART; FEW CHIPS W/ SCATTERED VUGS & TIGHT INT GRAIN POROSITY CONTAINING TAR; NO FLUOR, OIL OR ODOR; 4400.

LS: LT-BROWN; MIC-VF XTAL; CONTINUED SHOWS OF TAR WITH CHALKIER MATRIX AND LESS VOLUME; 4410 THRU 4430.

LS: CHALKY AS ABOVE WITH DECR TAR 4430.

LS: LT-BRN; MIC-VF XTAL; CHALKY; SCATTERED PIN POINT POR; NO SHOWS;

LS: MED-DK BROWN; VF-XTAL; DENSE; NO APPARENT POROSITY; NO SHOWS; 4440.

LS: AS ABOVE;

LS: LT-MED BROWN; VF-XTAL; DENSE; TRC FOS; NO APPARENT POROSITY; NO SHOWS;

4450

LS: LT-MED BROWN; VF-XTAL; DENSE; NO APPARENT POROSITY; NO SHOWS;

SH: BLACK; TRC 4470.

PAWNEE 4459 (-1651)

LS: LT-MED GRAYISH BROWN; MIC-VF XTAL; DENSE; SMOOTH; NO APPARENT POROSITY; NO SHOWS;

LS: WHITE, LT GRAYISH BROWN; MIC-VF XTAL; DENSE TO CHALKY; NO APPARENT POROSITY; NO SHOWS.

SH: BLACK; TRACE;

SH: DK GRAYISH BROWN; TRC FOSSIL CAST (BRACH); SOME GREEN & MAROON MOTTLED;

LS: WHITE, LT-BROWN; MIC-VF XTAL; DENSE TO CHALKY; ALMOST NO GRAINS; NO FLUOR; NO DRY STAIN; NO SHOW; 4500.

4500

SH: BLACK; CARBON; WASHES STEEL GRAY; 50% OF 4510 SAMPLE.

LS: LT-MED GRAYISH BROWN; VF-XTAL; SUB-VIT; DENSE; MED-CORSE OOLITE; V-TIGHT INT OOL POROSITY; NO SHOWS; TRC 4520, INCR 4530.

LS: LT-GRAYISH BROWN, OFF WHITE; MIC-VF XTAL; DENSE TO CHALKY; FOS GRAINSTONE IN PART; NO APPARENT POROSITY; DULL FLUOR AT BEST; NO SHOWS; SH INTERBEDS;

LS: MED-GRAYISH BROWN, MOTTLED WHITE IN PART; VF-XTAL; DENSE; SOMEWHAT CHALKY; SCATTERED GRAINS; SLI OOLITIC; POOR APPARENT POROSITY; NO SHOWS;

L. CHEROKEE 4528 (-1720)
 (CORRECTED TOP)

LS: OFF WHITE; MIC-VF XTAL; DENSE; SLI CHALKY; SCATTERED FOS GRAINS; POOR INT GRAIN POROSITY; SPOTTED YEL FLUOR OF LOW INTENSITY; SLI SHOW OIL; NO ODOR; 1 CHIP 4550;

4550

LS: LT BRN, LT GRAYISH-BRN; VF-XTAL; MOSTLY DENSE; SLI OOL; NO APPARENT POROSITY; NO SHOW.

LS: LT-BRN, LT GRAYISH BROWN; VF-XTAL; DENSE TO ARGILL; NO APPARENT POROSITY; NO SHOWS; SHALE INTERBEDS;

LS: AS ABOVE;

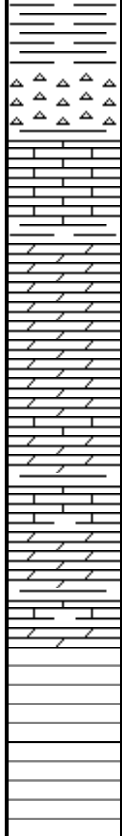
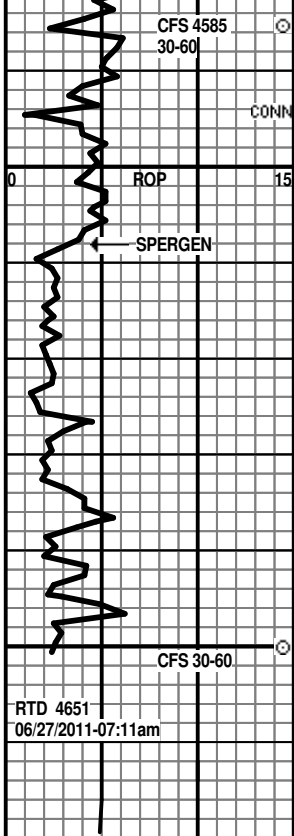
LS: LT BROWN; VF-XTAL; TRC MED OOMOLDIC; FAIR OOMOLDIC POROSITY; 1 CHIP WITH SLI SPOTTED STAIN, NO FLUOR; NO ODOR; CRUSH FEW MICRO-DROPS LT BRN OIL; 1 CHIP BARREN; 4585-30 MIN. TRC SPOTTED STAIN (DRY).

MORGAN MUD CHECK WHILE DRILLING: 4552: 06/26-11am: VIS 46, WT 9.4, WL 8.4, CHL 1800, LCM 1#, PRESCRIBED TREATMENTS.

CIRC 75 MIN BEFORE T.O.H.

DST #6: 4532-4585: SURF BLOW; 5-15-15-30; 60' MUD WITH OIL SPOTS; SIP: 248-369; FP: 67-63, 66-66;

CIRC 30 MIN BEFORE DRILLING AHEAD.



4600

SH: MOSTLY GREEN, ALSO GRAY; SILTY IN PART; FINE PYRITES; INCLUDES FEW COARSE ANHEDRAL CALCITES WITH STIFF TAR;
CHERT: MILKY TO LT BROWN; FRESH; SEMI-TRANS; WITH PYRITIC, SANDY SILTSTONE; 4610.
ST. LOUIS 4597 (-1789)
LS: LT-BROWN, CREAM; VF XTAL; SLI CHALKY; OOLITIC; NO APPARENT POROSITY; NO SHOWS; TRC 4610, INCR 4620.

SPERGEN 4608 (-1800)
DOL: MOTTLED MED BROWN & GRAY; MED XTAL; FAIR INT XTAL & GOOD COARSE VUG POROSITY; ONLY DULL FLUOR; NO SHOWS; 50% OF 4630.

LS: DOLOMITIC; MED-DK BROWN; F-XTAL; TRC CHALK; TIGHT INT XTAL POROSITY; NO SHOWS.

DOL: AS ABOVE WITH TRC GOOD OOMOLDIC POROSITY; NO SHOWS. 60 MIN SAMPLE.

4650

ROTARY TOTAL DEPTH 4651 (-1843)

CIRC 90 MIN BEFORE T.O.H. FOR LOGS.
LOG-TECH LTD 4651

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 13, 2011

Thomas Larson
Larson Engineering, Inc. dba Larson Operating
Company
562 W STATE RD 4
OLMITZ, KS 67564-8561

Re: ACO1
API 15-101-22296-00-00
Paris 1-11
SE/4 Sec.11-19S-29W
Lane County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Thomas Larson