



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1174776
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: _____



1174776

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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

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	O'Brien Resources, LLC
Well Name	Redburn 1 1
Doc ID	1174776

All Electric Logs Run

Caliper
Composite
Density Neutron
Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Redburn 1 1
Doc ID	1174776

Tops

Name	Top	Datum
Heebner	3926	-1149
Lansing	3964	-1187
LKC 160'	4170	-1393
LKC 180'	4203	-1426
Marmaton	4338	-1561
Myric Station	4461	-1684
Cherokee	4507	-1730
Johnson	4544	-1767

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Redburn 1 1
Doc ID	1174776

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4183-4191	250 gals 15% MCA	
4	4209-4214	Squeeze	
4	4245-4247	250 gals 15% MCA	
4	4417-4421	250 gals 15% MCA	
4	4543-4546	350 gals 15% MCA	
4	4550-4554	1,000 gals 15% NeFe	

ALLIED OIL & GAS SERVICES, LLC 061900

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Hoot Bend R
10-29-13

DATE <u>10-28-13</u>	SEC. <u>1</u>	TWP. <u>18</u>	RANGE <u>29</u>	CALLED OUT <u>7:30 PM</u>	ON LOCATION <u>8:30 PM</u>	JOB START <u>1:00 AM</u>	JOB FINISH <u>2:00 AM</u>
LEASER <u>Redburn</u>		WELL # <u>1-#1</u>		LOCATION <u>Lighten 3N, 1/2W, 5/16E</u>		COUNTY <u>Harris</u>	STATE <u>Ka</u>
OLD OR NEW (Circle one)							

CONTRACTOR Val #2

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 295

CASING SIZE 8 3/8" DEPTH 290

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 17 3/4

OWNER Same

CEMENT

AMOUNT ORDERED 180 lbs class 4
35cc 290 del

COMMON	<u>180</u>	@	<u>17.90</u>	<u>3,222.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6</u>	@	<u>64.00</u>	<u>384.00</u>
ASC		@		
HANDLING	<u>194.61</u>	@	<u>2.48</u>	<u>482.63</u>
MILEAGE	<u>8.88 x 35 x</u>		<u>2.60</u>	<u>868.08</u>
TOTAL				<u>4,966.91</u>

EQUIPMENT

PUMP TRUCK CEMENTER Tom Michman

597 HELPER Charles Ramsey

BULK TRUCK

599 DRIVER Don Cooper

BULK TRUCK

DRIVER

REMARKS:

Ran 290' of 8 3/8" casing. Bore circulation.
Pumped 5 H2O mixed 180 lbs class 4
35cc 290 del. Displaced with H2O

Cement did circulate

[Signature]

CHARGE TO: O'Brien Resources

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>290'</u>			
PUMP TRUCK CHARGE				<u>1512.35</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>HUM 35</u>	@	<u>7.70</u>	<u>269.00</u>
MANIFOLD		@		
	<u>HUM 35</u>	@	<u>4.40</u>	<u>154.00</u>
TOTAL				<u>1,935.35</u>

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			
TOTAL				

To: Allied Oil & Gas Services, LLC.

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

PRINTED NAME X Rick Smith

SIGNATURE X Rick Smith

SALES TAX (if Any) _____

TOTAL CHARGES 6,902.66

DISCOUNT 1,380.53 IF PAID IN 30 DAYS

5,522.13



263850

TICKET NUMBER 44461
 LOCATION DAKLEY KS.
 FOREMAN DAMON M. WALT DINKEL

PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
 CEMENT

KANSAS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-8-13	5950	REDBURN #1	1	18	29	LANE
CUSTOMER OBRIEN RESOURCES			Dighton N40180 W1 S1			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			399	JORDON L	RIDE ALONG	MIKE
STATE			566	CORY D		
ZIP CODE			528-T-128	CODY R.		
			397	STEVEN		

JOB TYPE 2 STAGE HOLE SIZE 7 1/4 HOLE DEPTH 4676 CASING SIZE & WEIGHT 4 1/2 11.6
 CASING DEPTH 4670 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING SHOE 21.12
 DISPLACEMENT 72.0/33 3/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: SAFETY MEETING RIG UP ON VAL #2 RAN FLOAT EQUIPMENT SCRATCHERS ON JOINTS # 2-11 4 EACH CENTRALIZERS ON JOINTS # 3, 5, 7, 9, 11, 12, 14, 16, 19, 22, 55 BASKETS ON BOTTOM 6, 23, 56 CIRCULATED ON BOTTOM FOR 1 HR. MIXED 5 BBL OF H2O 500 GAL OF MUD FLUSH 5 BBL OF H2O MIXED 180 SKS OWC # 5# KOLSEAL SHUT DOWN DROPPED PLUG PUMPED 72 BBL OF H2O LANDED PLUG LIFE WAS 750# LANA @ 1500# RELEASED PRESSURE DRIED UP RIGGED UP TO CIRCULATE 3 HRS. RIGGED UP TO MIX 425 SKS 60/40 8% GEL 1/4" SHUT DOWN DROPPED PLUG THEN PUMPED 33 3/4 OF H2O LANDED PLUG LIFE WAS 700# LANDED PLUG @ 1500# CEMENT DID NOT CIRCULATE
RH 30 SKS MH 20 SKS THANK YOU DAMON WALT & CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175.00	3175.00
5406	35	MILEAGE	5.25	183.75
5407A	28.90	TON MILEAGE DELIVERY	1.75	1770.30
1126	180 SKS	OWC	23.70	4266.00
1131	475 SKS	60/40 P02	15.86	7533.50
1118B	3268#	BETONITE	.27	882.36
1110A	900#	KOLSEAL	1.56	504.00
1107	118.8#	FL0SEAL	2.97	352.84
1144B	500 GAL	MUD FLUSH	1.00	500.00
4161	1	4 1/2 AFW FLOAT SHOE (w)	359.25	359.25
4453	1	4 1/2 LATCH DOWN (w)	457.00	457.00
4283	1	4 1/2 DV TOOL (w)	4200.00	4200.00
4129	11	4 1/2 CENTRALIZERS (w)	48.50	533.50
4103	3	4 1/2 BASKETS (w)	275.00	825.00
4314	40	RECIPROCATING SCRATCHERS	52.00	2080.00
				2762.50
			2990.25	2762.25
				24860.25
			7.15	SALES TAX
				ESTIMATED TOTAL
				1447.48
				26307.73

completed

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 54966

DST#: 6

ATTN: Kurt Talbott

Test Start: 2013.11.07 @ 04:02:12

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:01:12
 Tester: Brandon Turley
 Time Test Ended: 11:06:42
 Unit No: 60
 Interval: **4500.00 ft (KB) To 4562.00 ft (KB) (TVD)**
 Reference Elevations: 2777.00 ft (KB)
 Total Depth: 4562.00 ft (KB) (TVD)
 2767.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

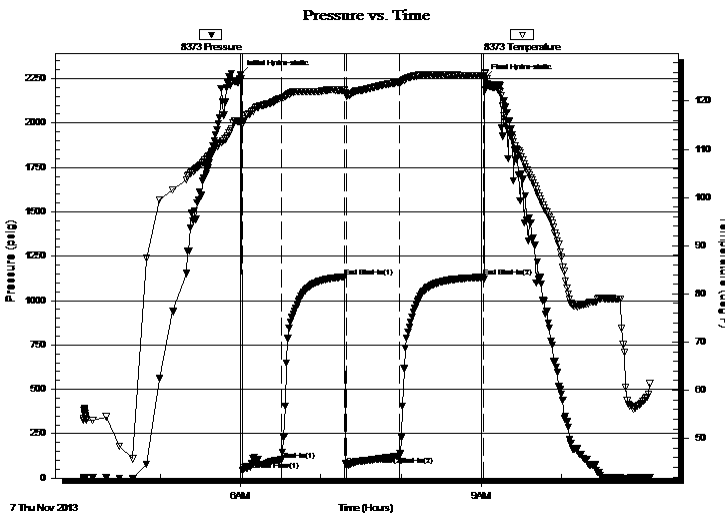
Serial #: 8373

Inside

Press @ Run Depth: 123.68 psig @ 4501.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.07 End Date: 2013.11.07 Last Calib.: 2013.11.07
 Start Time: 04:02:17 End Time: 11:06:41 Time On Btm: 2013.11.07 @ 05:59:42
 Time Off Btm: 2013.11.07 @ 09:02:42

TEST COMMENT: IF: 1/4 blow BOB in 14 min.
 IS: Surface blow built to 1/2.
 FF: BOB in 10 min.
 FS: Surface blow built to 4.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.00	115.66	Initial Hydro-static
2	44.00	115.24	Open To Flow (1)
31	102.65	120.54	Shut-In(1)
78	1134.29	122.27	End Shut-In(1)
80	74.18	121.02	Open To Flow (2)
119	123.68	123.90	Shut-In(2)
182	1131.53	125.27	End Shut-In(2)
183	2249.04	125.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mco 40%g 40%o 20%m	0.87
124.00	mco 30%g 60%o 10%m	1.74
93.00	mco 60%o 40%m	1.30
0.00	527 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 54966

DST#: 6

ATTN: Kurt Talbott

Test Start: 2013.11.07 @ 04:02:12

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	mcgo 40%g 40%o 20%m	0.870
124.00	mcgo 30%g 60%o 10%m	1.739
93.00	mco 60%o 40%m	1.305
0.00	527 GIP	0.000

Total Length: 279.00 ft

Total Volume: 3.914 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

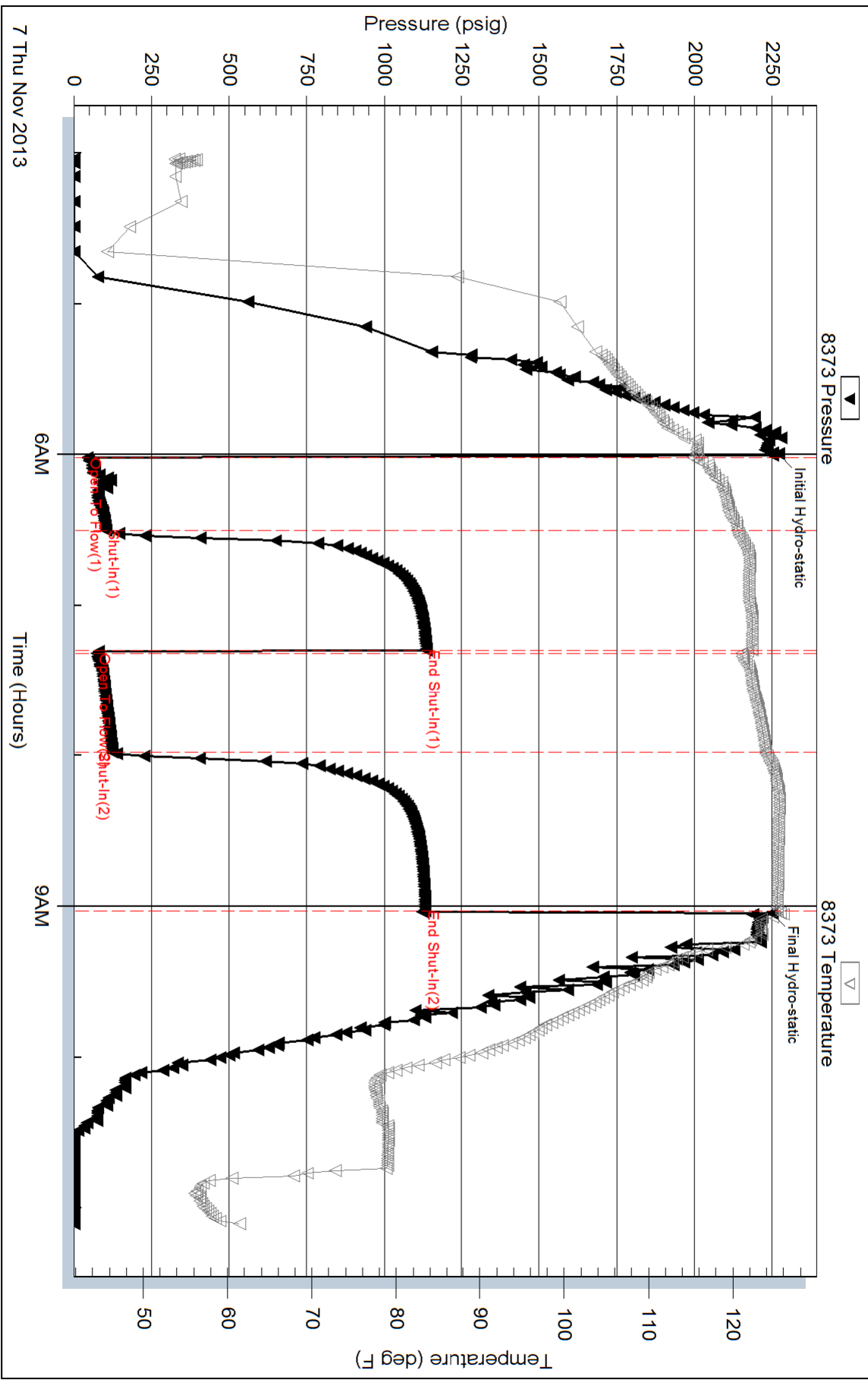
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

ATTN: Kurt Talbott

Job Ticket: 54965

DST#: 5

Test Start: 2013.11.05 @ 20:47:03

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:53:03

Time Test Ended: 03:02:03

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4308.00 ft (KB) To 4370.00 ft (KB) (TVD)

Reference Elevations: 2777.00 ft (KB)

Total Depth: 4370.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 21.56 psig @ 4309.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.05

End Date:

2013.11.06

Last Calib.:

2013.11.06

Start Time: 20:47:08

End Time:

03:02:02

Time On Btm:

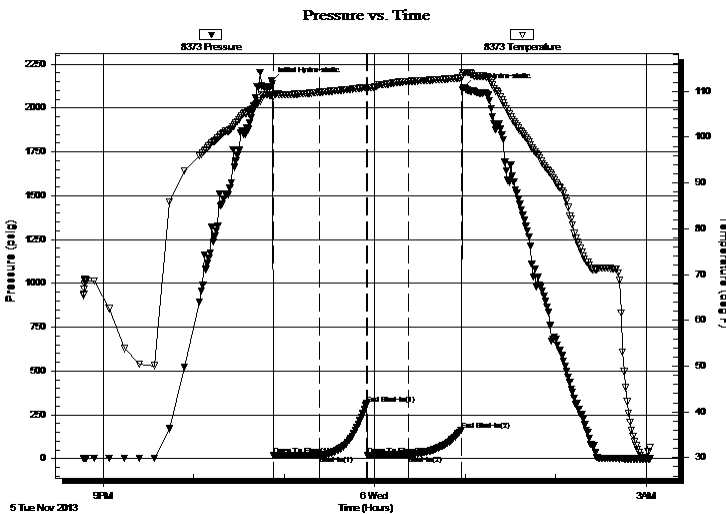
2013.11.05 @ 22:51:33

Time Off Btm:

2013.11.06 @ 00:58:33

TEST COMMENT: IF: Surface blow died in 10 min.
IS: No return.
FF: No blow. Flushed tool surface blow died in 1 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.67	109.15	Initial Hydro-static
2	18.09	108.98	Open To Flow (1)
32	18.96	109.81	Shut-In(1)
63	312.80	110.90	End Shut-In(1)
64	19.62	110.74	Open To Flow (2)
91	21.56	112.15	Shut-In(2)
126	161.38	112.94	End Shut-In(2)
127	2115.94	114.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 54965

DST#: 5

ATTN: Kurt Talbott

Test Start: 2013.11.05 @ 20:47:03

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

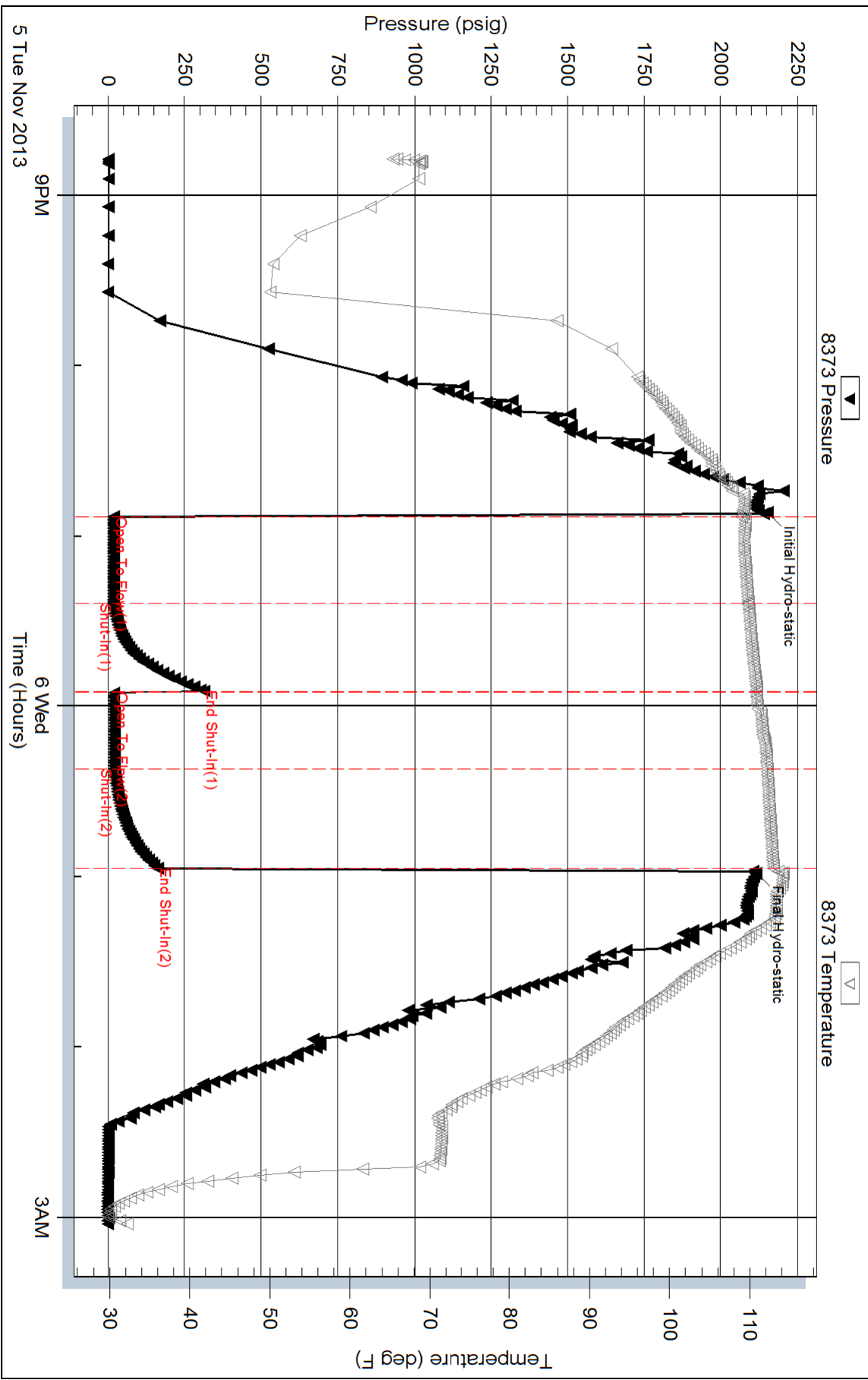
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

ATTN: Kurt Talbott

Job Ticket: 54964

DST#: 4

Test Start: 2013.11.05 @ 04:54:48

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:33:48

Time Test Ended: 11:00:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4309.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 2777.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373 Inside

Press @ Run Depth: 18.37 psig @ 4310.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.05 End Date: 2013.11.05

Last Calib.: 2013.11.05

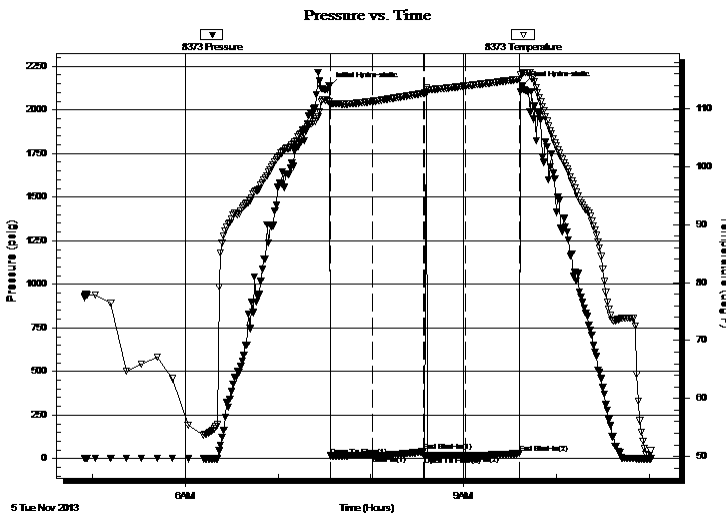
Start Time: 04:54:53 End Time: 11:00:47

Time On Btm: 2013.11.05 @ 07:32:48

Time Off Btm: 2013.11.05 @ 09:37:48

TEST COMMENT: IF: Surface blow died in 7 min.
IS: No return.
FF: No blow. Flushed tool no blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.35	111.24	Initial Hydro-static
1	15.86	110.62	Open To Flow (1)
28	17.72	111.23	Shut-In(1)
61	40.59	112.63	End Shut-In(1)
62	16.77	112.63	Open To Flow (2)
89	18.37	113.90	Shut-In(2)
123	29.72	115.04	End Shut-In(2)
125	2137.64	116.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.14

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 54964

DST#: 4

ATTN: Kurt Talbott

Test Start: 2013.11.05 @ 04:54:48

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

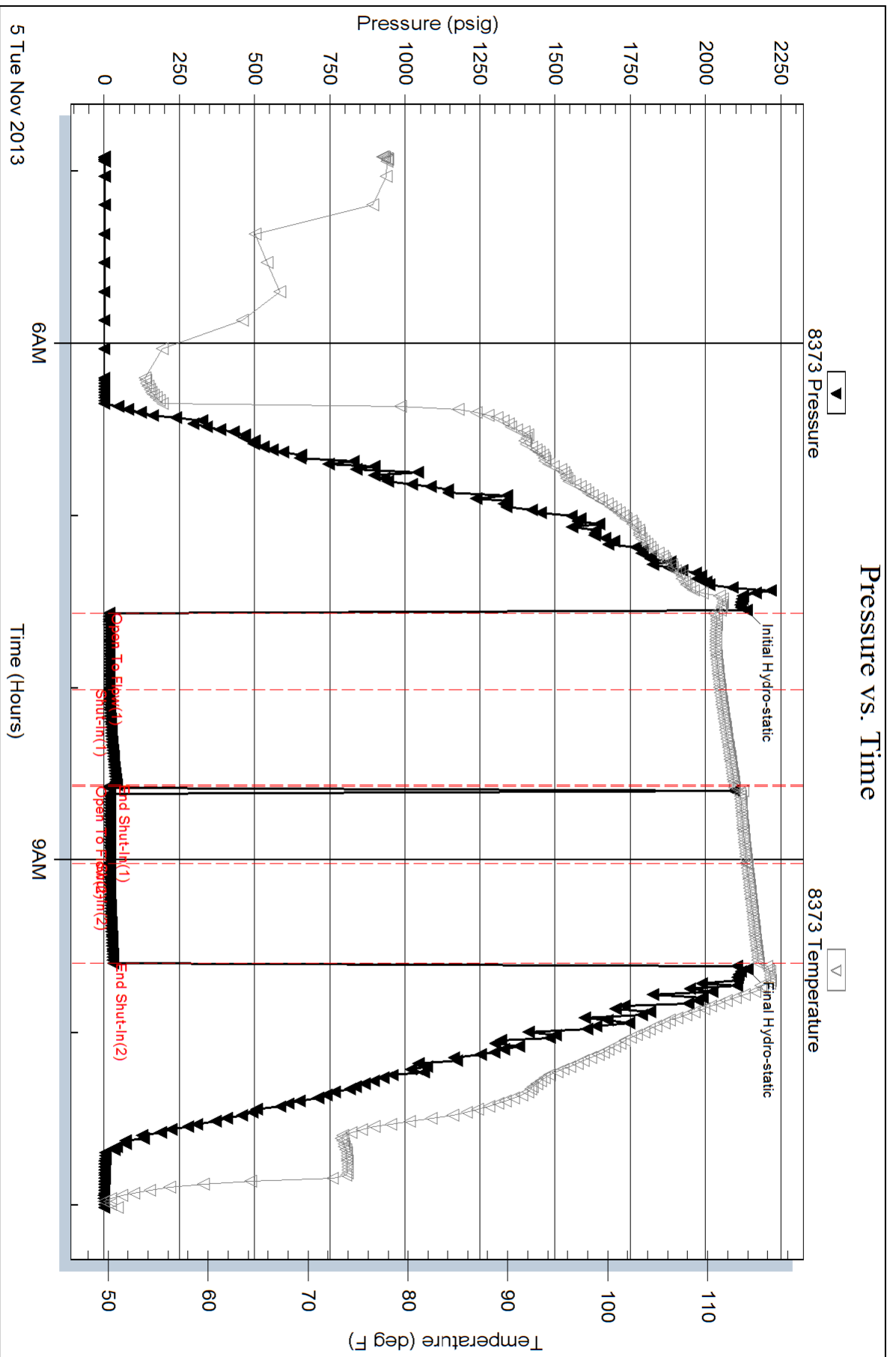
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53279

DST#: 3

ATTN: Kurt Talbott

Test Start: 2013.11.04 @ 12:44:00

GENERAL INFORMATION:

Formation: **LKC 220**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:16:25

Time Test Ended: 20:35:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4260.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 2777.00 ft (KB)

Total Depth: 4223.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 801.96 psig @ 4262.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.04

End Date: 2013.11.04

Last Calib.: 2013.11.04

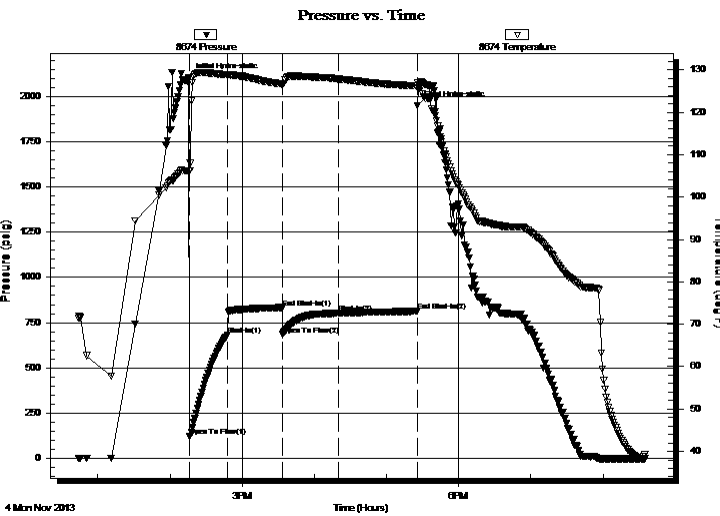
Start Time: 12:44:00

End Time: 20:35:09

Time On Btm: 2013.11.04 @ 14:15:55

Time Off Btm: 2013.11.04 @ 17:25:54

TEST COMMENT: IF- Surface Blow Built to BOB in 1 1/2min
IS- No Blow
FF- Surface Blow Built to BOB in 4 3/4min Died Back to 10"
FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.74	106.34	Initial Hydro-static
1	121.36	106.15	Open To Flow (1)
32	681.41	128.78	Shut-In(1)
78	833.54	126.63	End Shut-In(1)
78	684.05	126.53	Open To Flow (2)
124	801.96	127.82	Shut-In(2)
190	813.08	126.16	End Shut-In(2)
190	1948.76	126.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1612.00	MCW 3%g 97%w	22.61
124.00	GOCW 3%g 5%oil 92%w	1.74
10.00	GMCO 4%g 15%m 81%oil	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53279

DST#: 3

ATTN: Kurt Talbott

Test Start: 2013.11.04 @ 12:44:00

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: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1612.00	MCW 3%m 97%w	22.612
124.00	GOCW 3%g 5%oil 92%w	1.739
10.00	GMCO 4%g 15%m 81%oil	0.140

Total Length: 1746.00 ft Total Volume: 24.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

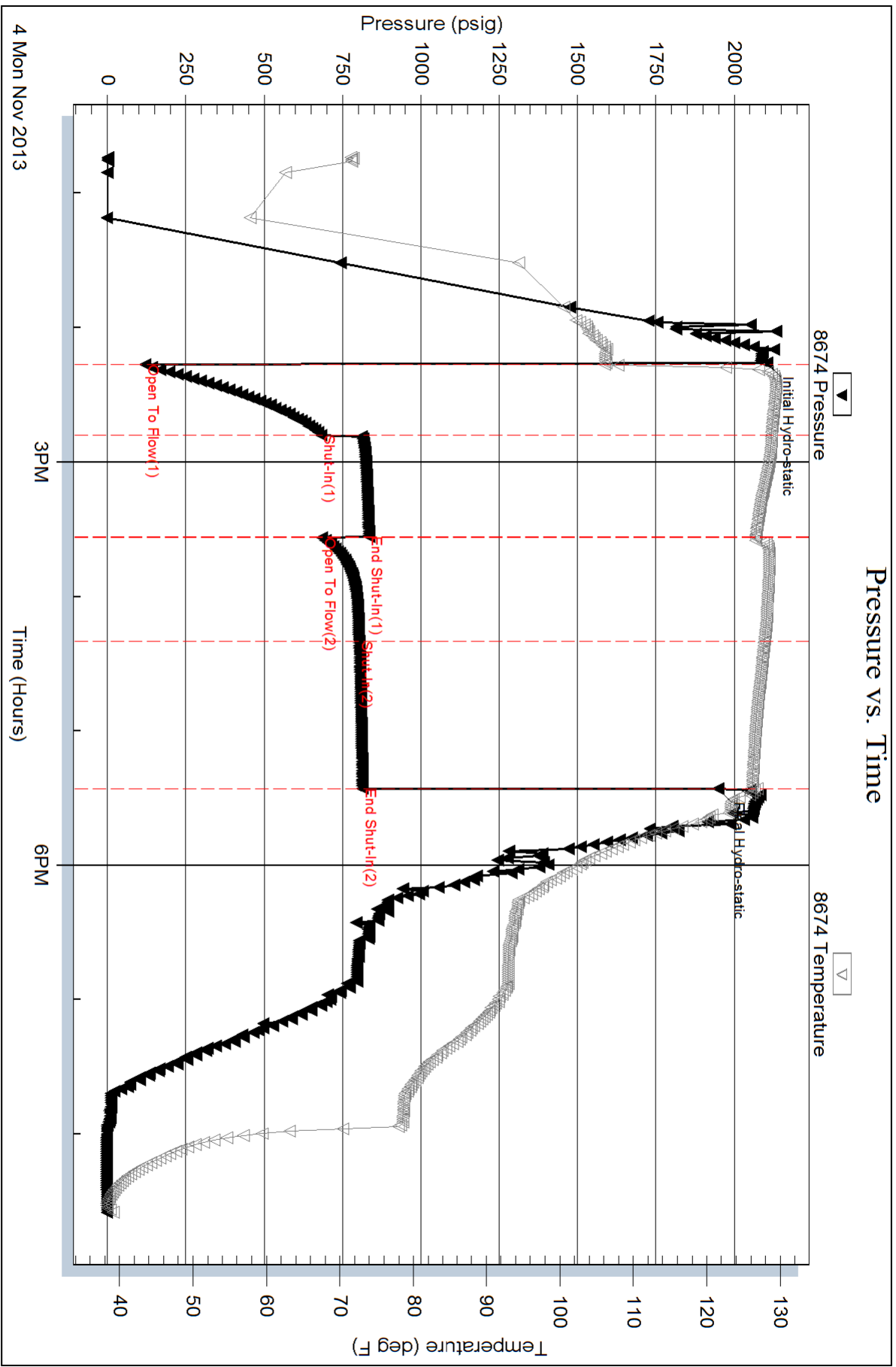
Serial #: 8674

Inside

0'Brien Resources LLC

Redburn 1 #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 53279

Printed: 2013.11.04 @ 21:27:19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53278

DST#: 2

ATTN: Kurt Talbott

Test Start: 2013.11.03 @ 19:30:00

GENERAL INFORMATION:

Formation: **LKC 200**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:29:40

Time Test Ended: 02:36:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4225.00 ft (KB) To 4260.00 ft (KB) (TVD)

Reference Elevations: 2777.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 31.82 psig @ 4226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.03

End Date:

2013.11.04

Last Calib.: 2013.11.04

Start Time: 19:30:00

End Time:

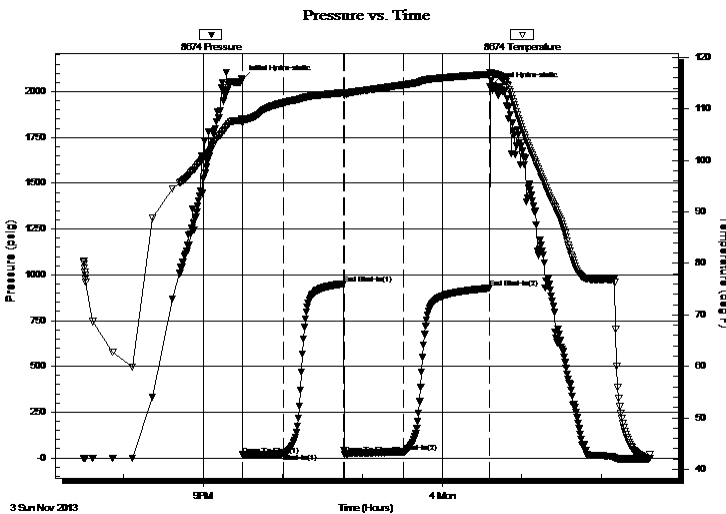
02:36:39

Time On Btm: 2013.11.03 @ 21:29:25

Time Off Btm: 2013.11.04 @ 00:36:09

TEST COMMENT: IF- Weak Surface Blow Built to 2 1/2"
IS- No Blow
FF- Weak Surface Blow Built to 3 3/4"
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.50	108.03	Initial Hydro-static
1	17.33	107.24	Open To Flow (1)
31	22.89	111.18	Shut-In(1)
77	951.45	113.14	End Shut-In(1)
78	20.61	112.79	Open To Flow (2)
122	31.82	114.62	Shut-In(2)
187	926.67	116.69	End Shut-In(2)
187	2027.99	117.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
51.00	GMCO 7%g 37%m	0.72
1.00	100%oil	0.01
0.00	72' of GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53278

DST#: 2

ATTN: Kurt Talbott

Test Start: 2013.11.03 @ 19:30:00

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: 5.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
51.00	GMCO 7%g 37%m	0.715
1.00	100%oil	0.014
0.00	72' of GIP	0.000

Total Length: 52.00 ft Total Volume: 0.729 bbl

Num Fluid Samples: 0

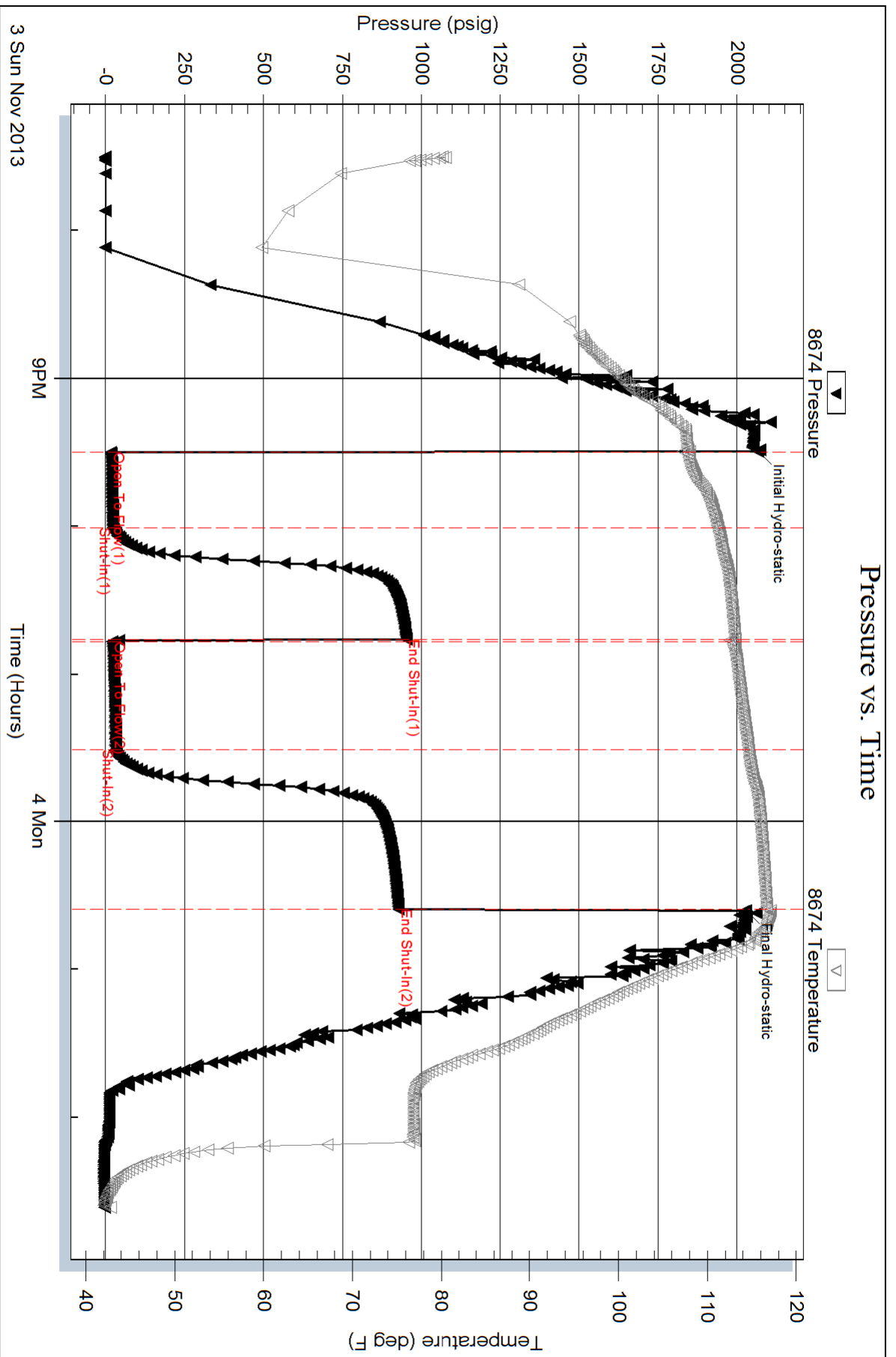
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53277

DST#: 1

ATTN: Kurt Talbott

Test Start: 2013.11.02 @ 19:02:00

GENERAL INFORMATION:

Formation: **LKC " 140 , 160 , 1**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:24:55
 Time Test Ended: 12:33:24
 Interval: **4131.00 ft (KB) To 4223.00 ft (KB) (TVD)**
 Total Depth: 4223.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 58
 Reference Elevations: 2777.00 ft (KB)
 2767.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8674

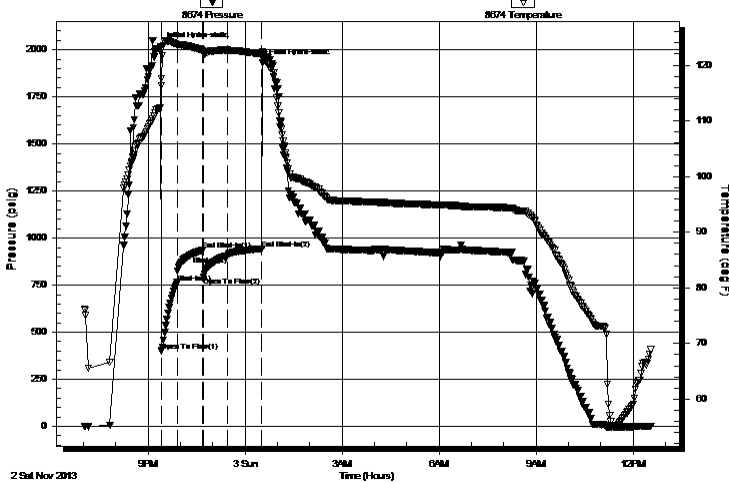
Inside

Press @ Run Depth: 906.85 psig @ 4134.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.02 End Date: 2013.11.03 Last Calib.: 2013.11.03
 Start Time: 19:02:00 End Time: 12:33:24 Time On Btm: 2013.11.02 @ 21:22:55
 Time Off Btm: 2013.11.03 @ 00:31:54

TEST COMMENT: IF- Strong Surface Blow Built to BOB in 25sec
 IS- Weak Surface Blow in 4min Built to 3 1/4"
 FF- Surface Blow Built to BOB in 1 1/2min
 FS- Weak Surface Blow

Ruined cap gaskets covered the testing pickup in oil
 Shut Down from 2 30am to 7 30am
 Broke my w wheels for the tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2015.53	112.44	Initial Hydro-static
2	401.30	117.59	Open To Flow (1)
31	763.53	123.72	Shut-In(1)
79	935.64	122.64	End Shut-In(1)
80	792.15	122.38	Open To Flow (2)
125	906.85	122.71	Shut-In(2)
188	943.99	122.01	End Shut-In(2)
189	1928.85	122.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
992.00	MGCO 10%m 20%g 70%oil	13.92
744.00	MOCG 14%m 45%g 41%oil	10.44
248.00	GMCO 30%g 30%m 40%oil	3.48
62.00	MGCO 22%m 26%g 52%oil	0.87
144.00	GO 14%g 86%oil	2.02
0.00	558 of Weak GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

1-18s-29w Lane Co. KS

P.o Box 6149
Shreveport LA. 71136

Redburn 1 #1

Job Ticket: 53277

DST#: 1

ATTN: Kurt Talbott

Test Start: 2013.11.02 @ 19:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
992.00	MGCO 10%m 20%g 70%oil	13.915
744.00	MOCG 14%m 45%g 41%oil	10.436
248.00	GMCO 30%g 30%m 40%oil	3.479
62.00	MGCO 22%m 26%g 52%oil	0.870
144.00	GO 14%g 86%oil	2.020
0.00	558 of Weak GIP	0.000

Total Length: 2190.00 ft Total Volume: 30.720 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 37 @ 40f = 39

Serial #: 8674

Inside

0'Brien Resources LLC

Redburn 1 #1

DST Test Number: 1

