

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1234020

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

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: _____

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

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>	☐ Yes	☐ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes	☐ No	Name	Top	Datum
Cores Taken	☐ Yes	☐ No			
Electric Log Run	☐ Yes	☐ No			
List All E. Logs Run:					

CASING RECORD ☐ New ☐ 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				

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 (Amount and Kind of Material Used)	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	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>		METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i> ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	MSJ-Penner 28 3
Doc ID	1234020

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	20	288	Common	200	2%Gel + 3%CC



FIELD TICKET & TREATMENT REPORT CEMENT

TICKET NUMBER 47733 ⁷⁷²
LOCATION Oakley, KS ₉₃₃
FOREMAN Kelly Gabel

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-7-14	5950	MSJ Penner 28 #3	28	14	30	Gove
CUSTOMER Onsen Resources			Gove			
MAILING ADDRESS			5 to Rd 10 W 54 E 10 N			
CITY			STATE	ZIP CODE		
			TRUCK #	DRIVER	TRUCK #	DRIVER
			399	Jordan		
			307	Rob		

JOB TYPE <u>Surface</u>	HOLE SIZE <u>12 1/4</u>	HOLE DEPTH <u>288</u>	CASING SIZE & WEIGHT <u>8 5/8 24#</u>
CASING DEPTH <u>286'</u>	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING <u>20</u>
DISPLACEMENT <u>17 bbl</u>	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____

REMARKS: Safety meeting, rigged up on Maverick 108, broke circulation, mixed 200 SKS Com 390cc 2% gel, displaced with 17 bbl ~~break~~ water, shut in

Thank You
Rilly & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015 -	1	PUMP CHARGE	1150 ⁰⁰	1150 ⁰⁰
5406 -	35 mi.	MILEAGE	525	18375
5407A -	9.4	Ton mileage delivery	175	57575
11045 -	200SKS	Class A Cement	1855	3710 ⁰⁰
1102 -	564#	Calcium Chloride	.94	530 ⁴⁶
118B	376	Bentonite	.27	10153
		Sub:	6251.19	
		10% :	625.12	
		5626.07		
		Sub	6252.68	
		Lead 10%	625.07	
			5627.75	
		SALES TAX	308.70	
		ESTIMATED TOTAL	5934.76	

Rayin 3737

AUTHORIZATION

TITLE

DATE 6-7-14

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.

ALLIED OIL & GAS SERVICES, LLC 055572

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell KS

DATE <u>11-20-14</u>	SEC. <u>28</u>	TWP. <u>14</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>700 PM</u>	JOB FINISH <u>730 PM</u>
LEASE <u>Penner</u>	WELL # <u>3</u>	LOCATION <u>Gove KS 105 9 W 5 into</u>			COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Maverick 108

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4650

CASING SIZE 8 5/8 DEPTH 286

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2270

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 255 60/40 49 gal

1/4 # 10

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<u>60/40 49 gal 255</u>	@	<u>18.72 4824.60</u>
<u>1/4 # 10 62</u>	@	<u>2.97 184.14</u>

<u>Material</u>	@	<u>5008.74</u>
<u>Disc</u>	@	<u>1001.74</u>

HANDLING <u>255</u>	@	<u>2.48 632.40</u>
MILEAGE <u>456</u> <u>1/m</u>	@	<u>2.75 1254.00</u>

TOTAL 12995.74

REMARKS:

- p1 50 sks @ 2270
- p2 100 sks @ 1300
- p3 50 sks @ 280
- p4 10 sks @ 40
- 15 sks in mouse hole
- 30 sks in rat hole

Thank you !!!

CHARGE TO: O'Brien Resources

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2270</u>
PUMP TRUCK CHARGE	<u>2558.75</u>
EXTRA FOOTAGE	@
MILEAGE <u>40</u> <u>LVMJ</u>	@ <u>4.40 176.00</u>
MANIFOLD	@
<u>80</u> <u>HVMT</u>	@ <u>7.20 616.00</u>

Disc 1047.43 TOTAL 5237.15

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Wooden plug</u>	@	<u>110.00 11000</u>
	@	
	@	
	@	
	@	

Disc 22.00 TOTAL 110.00

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 Todd E. Mersch

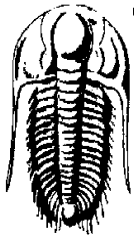
SIGNATURE Todd E. Mersch

SALES TAX (If Any) _____

TOTAL CHARGES 10355.89

DISCOUNT 2091.18 20% IF PAID IN 30 DAYS

net 8284.72



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59217

DST#: 1

Test Start: 2014.11.13 @ 07:35:15

GENERAL INFORMATION:

Formation: **Toronto-LKC G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:09:15

Time Test Ended: 20:14:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 3851.00 ft (KB) To 4025.00 ft (KB) (TVD)

Reference Elevations: 2817.00 ft (KB)

Total Depth: 4025.00 ft (KB) (TVD)

2804.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: 473.21 psig @ 3862.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.13

End Date:

2014.11.13

Last Calib.: 2014.11.13

Start Time: 07:35:15

End Time:

20:14:15

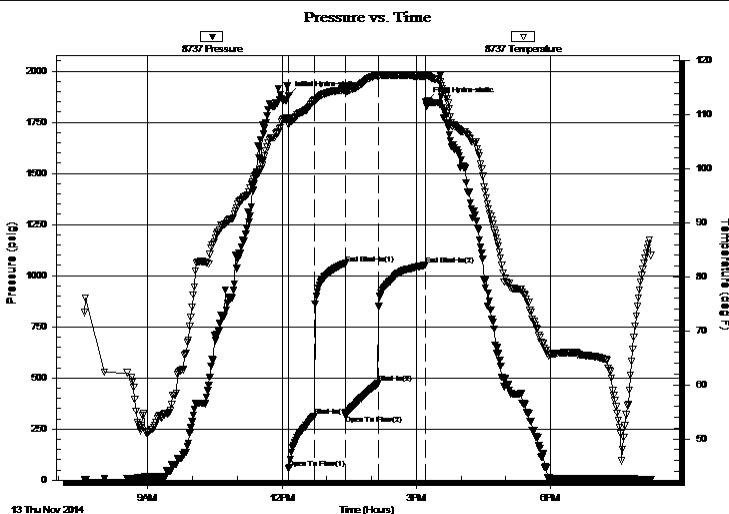
Time On Btm: 2014.11.13 @ 12:09:00

Time Off Btm: 2014.11.13 @ 15:13:00

TEST COMMENT: IF:BOB in 4 min.
IS:No return blow
FF:BOB in 7 min.
FS:No return blow

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1880.83	109.21	Initial Hydro-static
1	57.04	108.25	Open To Flow (1)
34	314.19	112.61	Shut-In(1)
76	1059.54	114.65	End Shut-In(1)
77	319.11	114.44	Open To Flow (2)
120	473.21	117.16	Shut-In(2)
183	1051.78	117.19	End Shut-In(2)
184	1850.54	117.47	Final Hydro-static

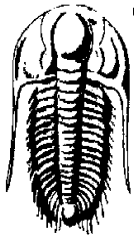


Recovery

Length (ft)	Description	Volume (bbl)
248.00	mcw 30% m 70% w	0.00
186.00	w cm 40% w 60% m w ith a trace of oil	2.61
496.00	mud w ith oil spots 100% m	6.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149
Shreveport LA
71136
ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59217 **DST#: 1**
Test Start: 2014.11.13 @ 07:35:15

GENERAL INFORMATION:

Formation: **Toronto-LKC G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:09:15

Time Test Ended: 20:14:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 3851.00 ft (KB) To 4025.00 ft (KB) (TVD)

Total Depth: 4025.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2817.00 ft (KB)

2804.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8846 Inside

Press@RunDepth: psig @ 3862.00 ft (KB)

Start Date: 2014.11.13

End Date:

2014.11.13

Start Time: 07:35:15

End Time:

20:14:15

Capacity: 8000.00 psig

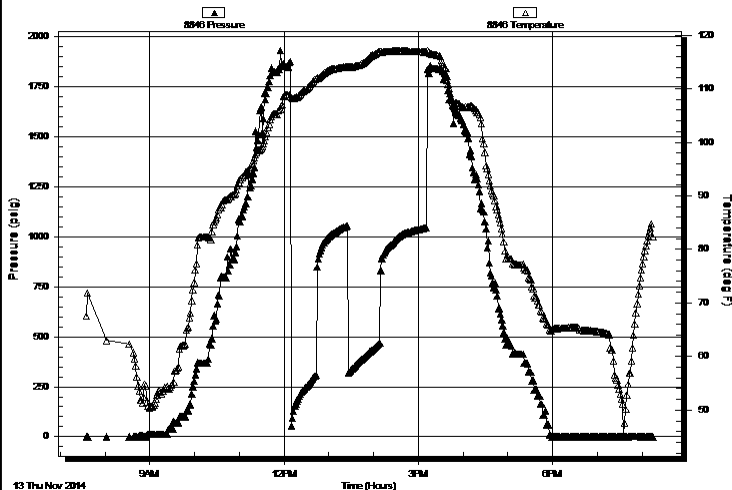
Last Calib.: 2014.11.13

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 4 min.
IS:No return blow
FF:BOB in 7 min.
FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

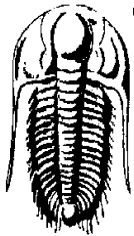
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
248.00	mcw 30% m 70% w	0.00
186.00	w cm 40% w 60% m w with a trace of oil	2.61
496.00	mud w ith oil spots 100% m	6.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59217

DST#: 1

Test Start: 2014.11.13 @ 07:35:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 7.97 in³

Resistivity: 0.00 ohm.m

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

0 deg API

Water Salinity: 15000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	mcw 30%m 70%w	0.000
186.00	w cm 40%w 60%m with a trace of oil	2.609
496.00	mud with oil spots 100%m	6.958

Total Length: 930.00 ft Total Volume: 9.567 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

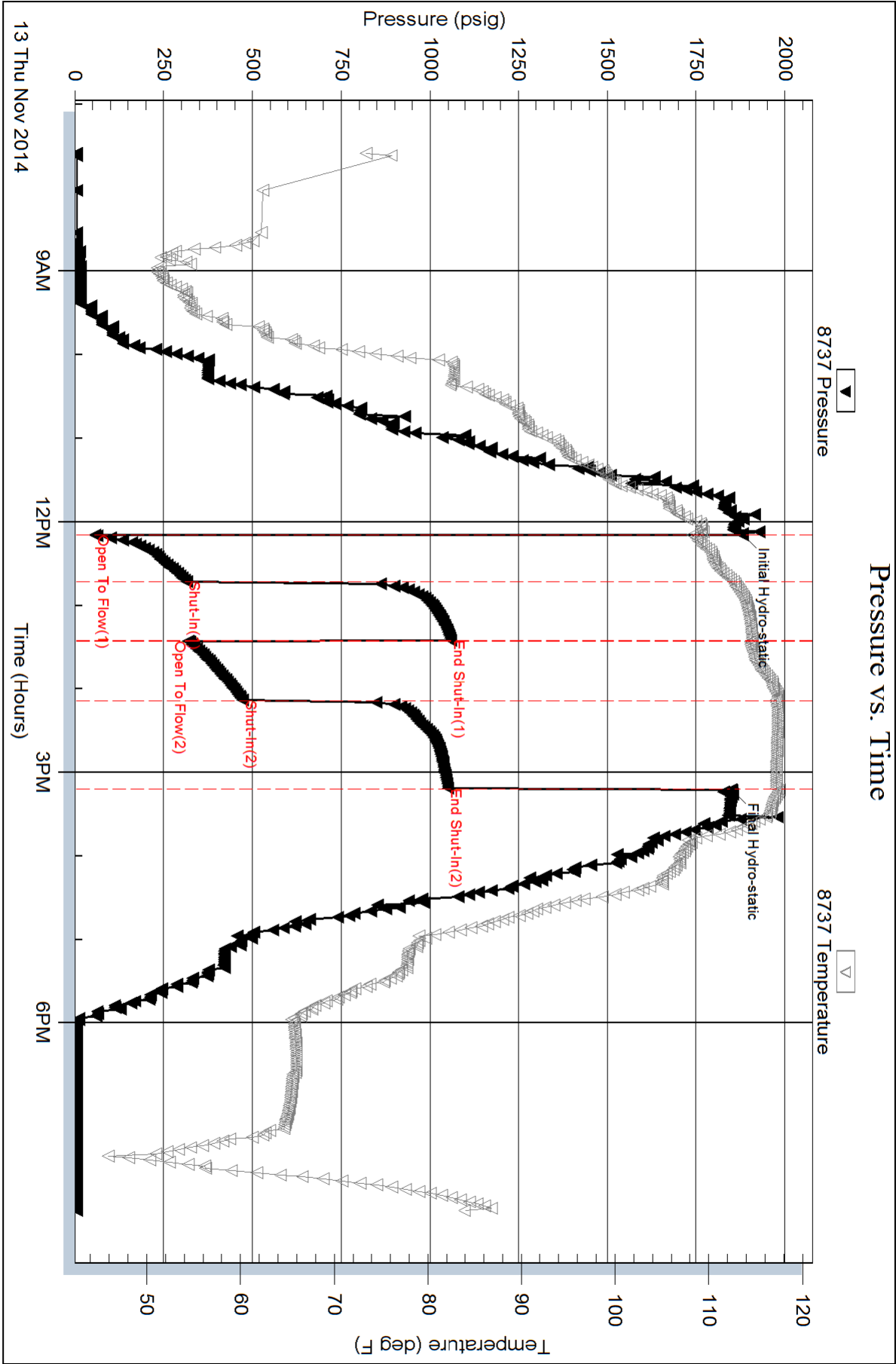
Recovery Comments: RW= .63@61.4*= 15,000 ppm

Serial #: 8737

Outside O'Brien Resources LLC

MSU Penner 28 3

DST Test Number: 1



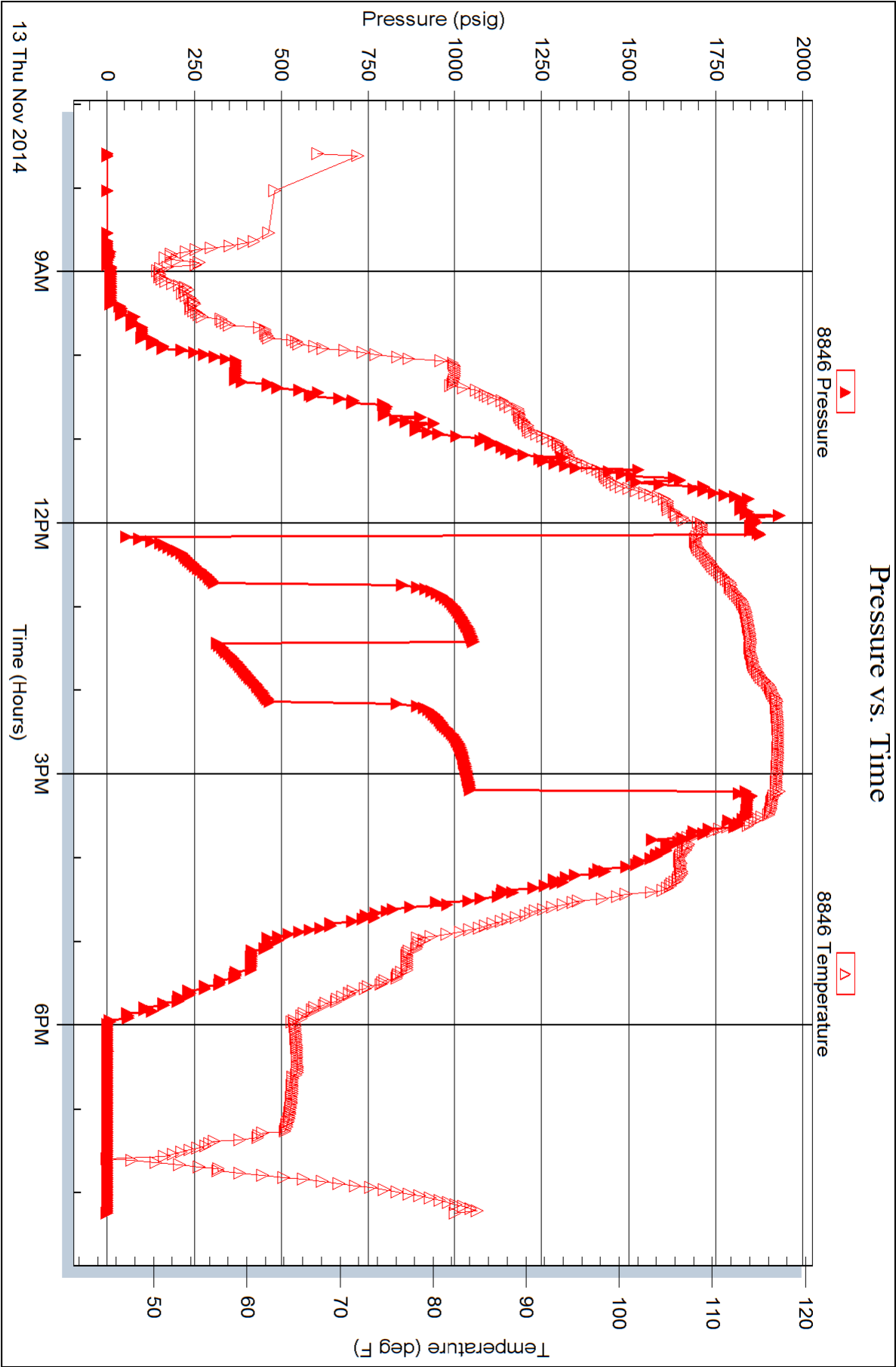
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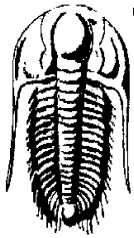
Inside

O'Brien Resources LLC

MSJ Penner 28 3

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 56578

DST#: 2

Test Start: 2014.11.15 @ 02:28:00

GENERAL INFORMATION:

Formation: **Lower Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:35:45

Time Test Ended: 22:18:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 65

Interval: 4070.00 ft (KB) To 4190.00 ft (KB) (TVD)

Total Depth: 4190.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2811.00 ft (KB)

2798.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: 890.03 psig @ 4071.00 ft (KB)

Start Date: 2014.11.15

End Date:

2014.11.15

Start Time: 02:28:15

End Time:

22:18:45

Capacity: 8000.00 psig

Last Calib.: 2014.11.15

Time On Btm: 2014.11.15 @ 10:35:15

Time Off Btm: 2014.11.15 @ 13:08:00

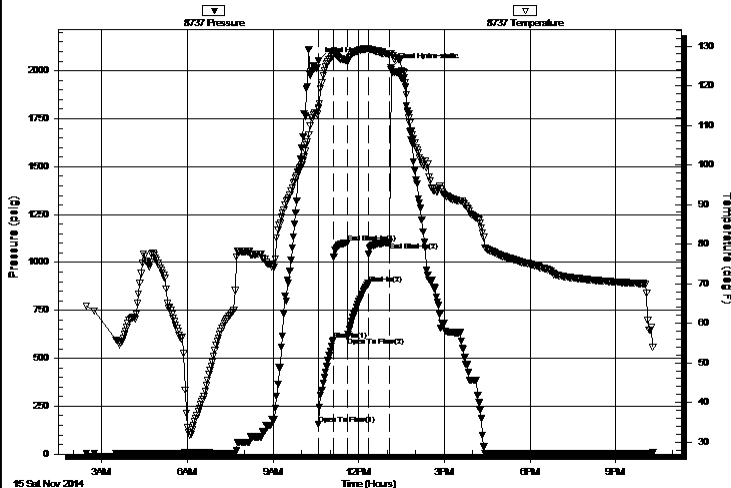
TEST COMMENT: IF: B.o.b. in 1 min. 45 sec.

IS: Bled off in 2 min.-No return

FF: B.o.b. in 2 1/2 min.

FS: Bled off in 2 min.-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2050.80	114.51	Initial Hydro-static
1	155.51	114.18	Open To Flow (1)
31	595.11	127.62	Shut-In(1)
60	1103.51	126.46	End Shut-In(1)
61	610.12	126.17	Open To Flow (2)
105	890.03	129.34	Shut-In(2)
151	1104.67	127.92	End Shut-In(2)
153	2018.34	128.10	Final Hydro-static

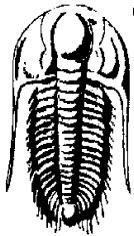
Recovery

Length (ft)	Description	Volume (bbl)
941.00	Mcw 30m 70w w/traces of oil	10.94
630.00	G & Ocm & W 5g 5o 25m 65w	8.84
131.00	Mud 100m w/oil spots	1.84
0.00	RW .052 @ 45=19000	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 56578

DST#: 2

Test Start: 2014.11.15 @ 02:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.20 in³

Resistivity: 0.00 ohm.m

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

19000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
941.00	Mcw 30m 70w w/traces of oil	10.941
630.00	G & Ocm & W 5g 5o 25m 65w	8.837
131.00	Mud 100m w/oil spots	1.838
0.00	RW .052 @ 45=19000	0.000

Total Length: 1702.00 ft

Total Volume: 21.616 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8737

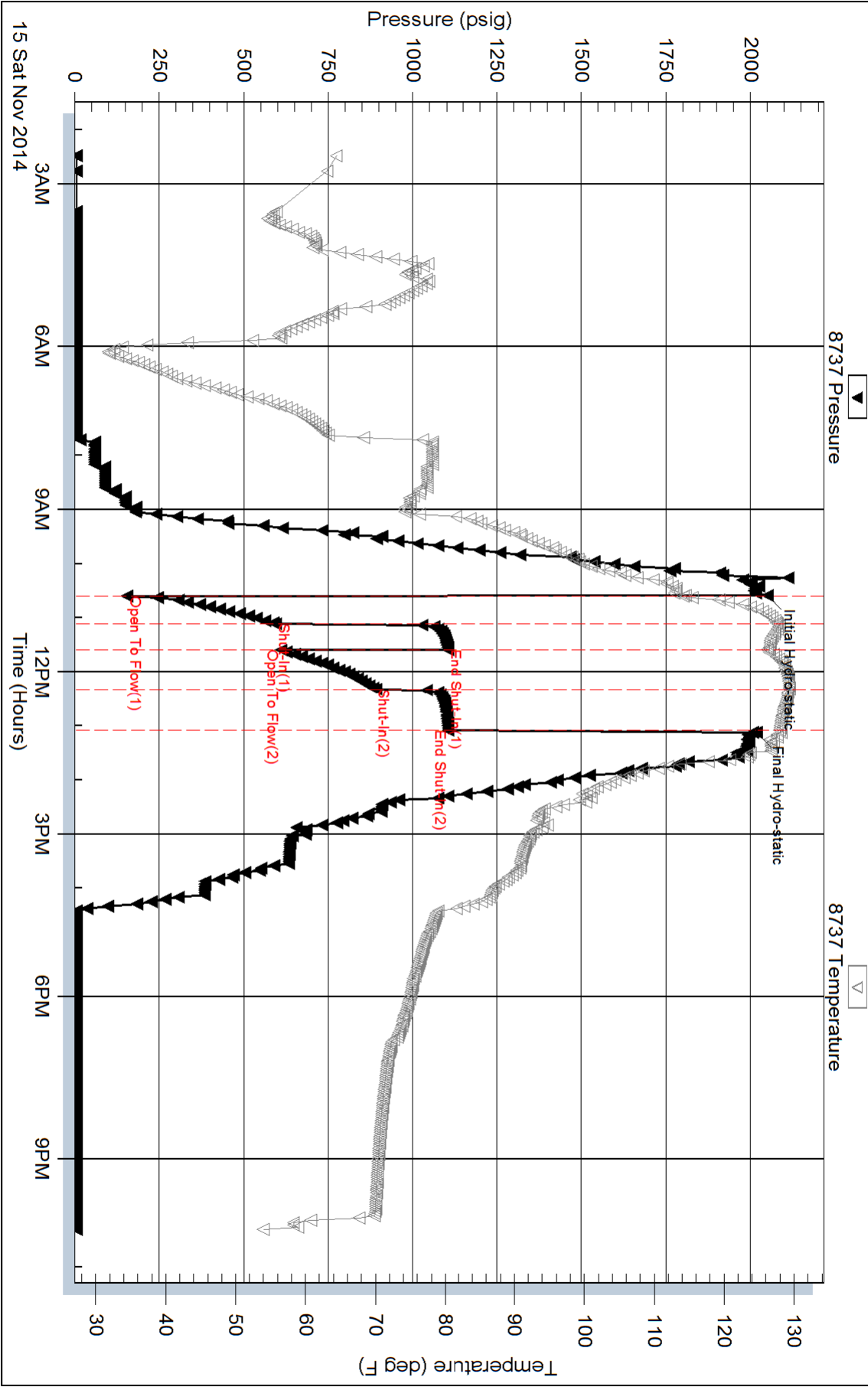
Outside

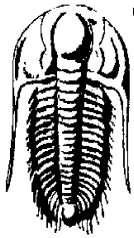
O'Brien Resources LLC

MSJ Penner 28 3

DST Test Number: 2

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 56579

DST#: 3

Test Start: 2014.11.17 @ 05:21:00

GENERAL INFORMATION:

Formation: **Ft. Scott-Myric Stat**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:48:45

Time Test Ended: 20:21:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 65

Interval: 4334.00 ft (KB) To 4406.00 ft (KB) (TVD)

Total Depth: 4406.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2811.00 ft (KB)

2798.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: 35.20 psig @ 4336.00 ft (KB)

Start Date: 2014.11.17

End Date:

2014.11.17

Start Time: 05:21:15

End Time:

20:21:30

Capacity: 8000.00 psig

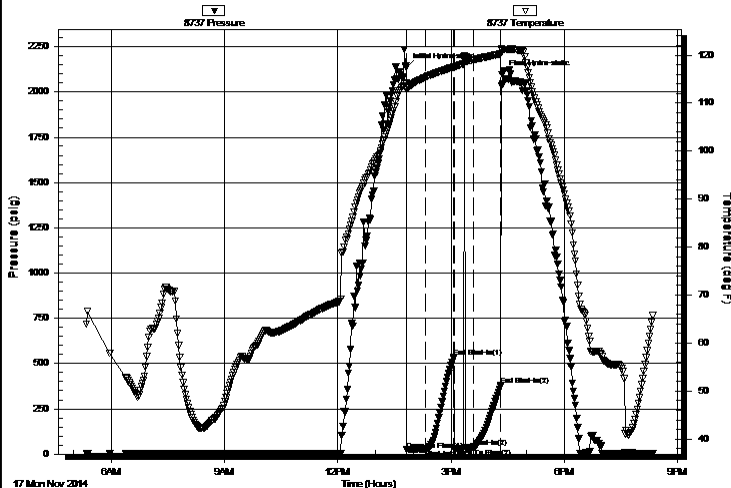
Last Calib.: 1899.12.30

Time On Btm: 2014.11.17 @ 13:48:30

Time Off Btm: 2014.11.17 @ 16:20:45

TEST COMMENT: IF: Weak surface blow throughout open
IS: No return
FF: No blow-flushed tool @ 10 min.-Good surge-no blow
FS: No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.23	114.32	Initial Hydro-static
1	23.11	112.87	Open To Flow (1)
31	28.36	115.36	Shut-In(1)
76	535.82	117.53	End Shut-In(1)
77	29.81	117.46	Open To Flow (2)
107	35.20	119.02	Shut-In(2)
151	379.07	120.25	End Shut-In(2)
153	2096.73	120.82	Final Hydro-static

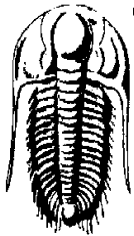
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

MSJ Penner 28 3

Shreveport LA

Job Ticket: 56579

DST#: 3

71136

Test Start: 2014.11.17 @ 05:21:00

ATTN: Kurt Talbott

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

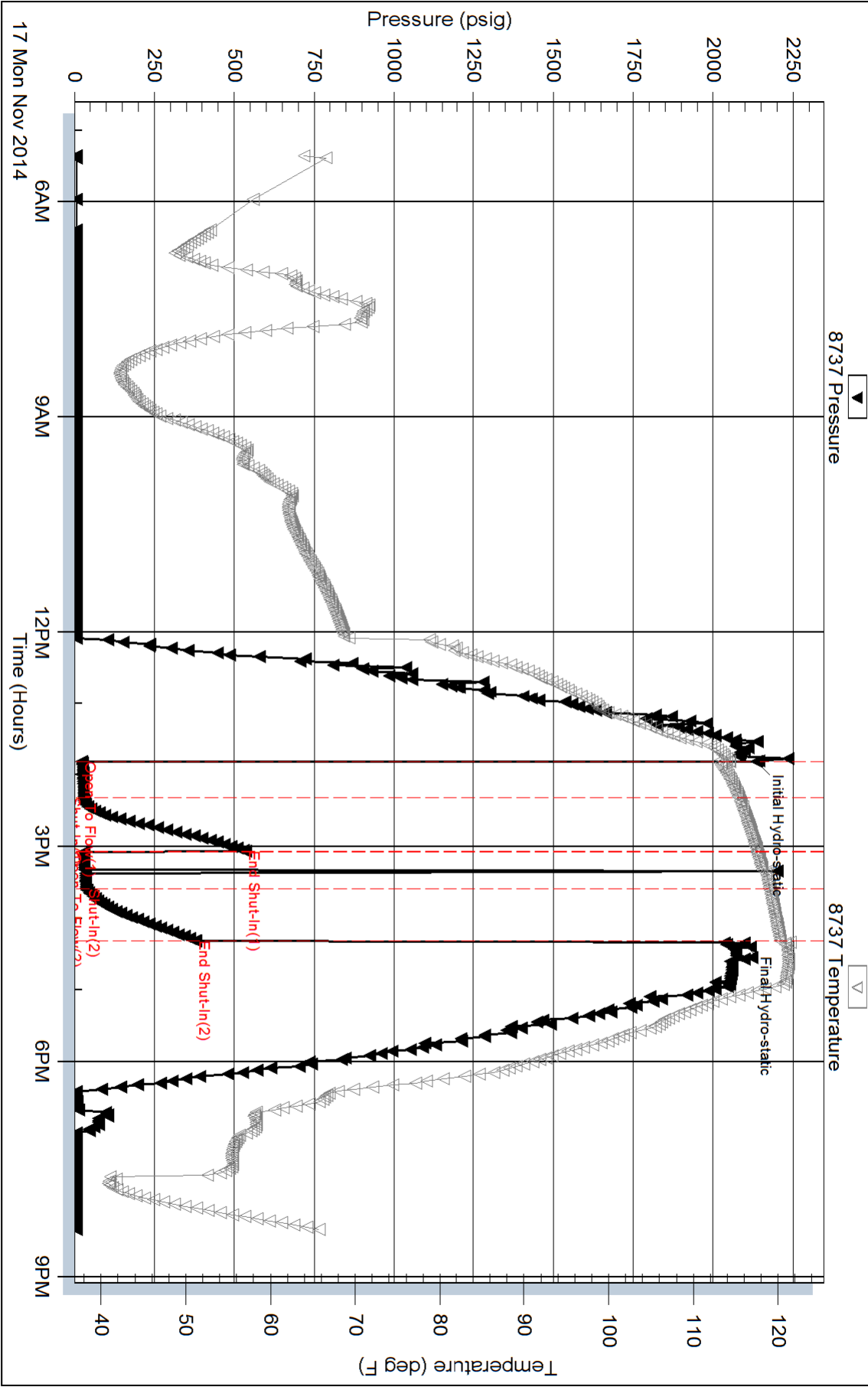
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59218

DST#: 4

Test Start: 2014.11.19 @ 11:14:15

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:00

Time Test Ended: 21:32:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4453.00 ft (KB) To 4525.00 ft (KB) (TVD)

Reference Elevations: 2811.00 ft (KB)

Total Depth: 4650.00 ft (KB) (TVD)

2798.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: 1126.90 psig @ 4459.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.19

End Date:

2014.11.19

Last Calib.: 2014.11.19

Start Time: 11:14:15

End Time:

21:32:45

Time On Btm: 2014.11.19 @ 16:05:45

Time Off Btm: 2014.11.19 @ 18:08:00

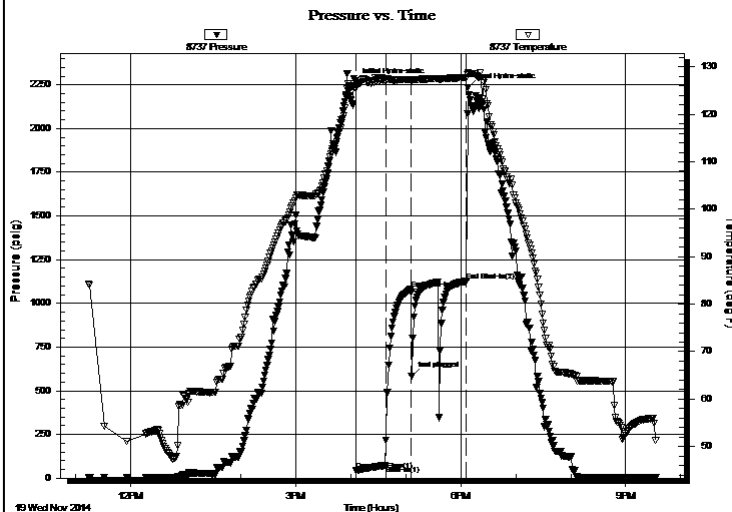
TEST COMMENT: IF:Weak surface blow and died in 3 min.

IS:No return blow

FF:No blow

FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.61	127.13	Initial Hydro-static
1	42.82	125.47	Open To Flow (1)
33	72.65	127.49	Shut-In(1)
61	1082.95	127.30	End Shut-In(1)
61	582.56	127.05	tool plugged
121	1126.90	127.71	End Shut-In(2)
123	2232.82	128.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	mud 100% m	0.31

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59218

DST#: 4

Test Start: 2014.11.19 @ 11:14:15

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:00

Time Test Ended: 21:32:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4453.00 ft (KB) To 4525.00 ft (KB) (TVD)

Total Depth: 4650.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2811.00 ft (KB)

2798.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8646 Below (Straddle)

Press@RunDepth: psig @ 4551.00 ft (KB)

Start Date: 2014.11.19

End Date:

2014.11.19

Start Time: 11:14:15

End Time:

21:31:45

Capacity: 8000.00 psig

Last Calib.: 2014.11.19

Time On Btm:

Time Off Btm:

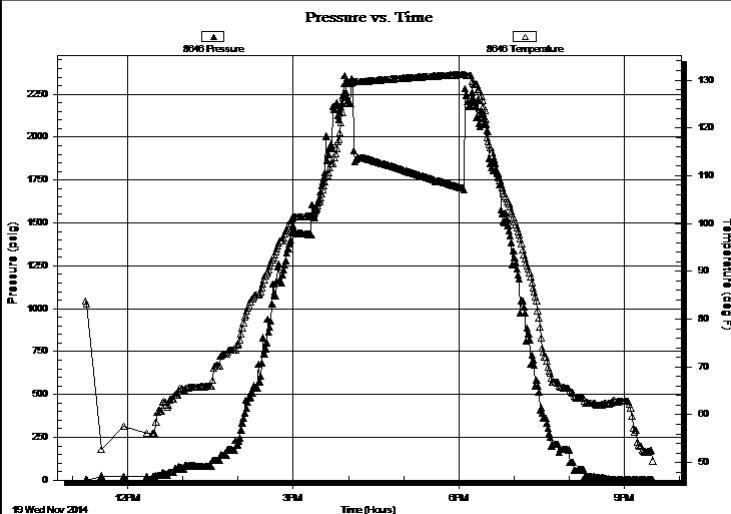
TEST COMMENT: IF:Weak surface blow and died in 3 min.

IS:No return blow

FF:No blow

FS:No return blow

PRESSURE SUMMARY



Time
(Min.)

Pressure
(psig)

Temp
(deg F)

Annotation

Recovery

Length (ft)	Description	Volume (bbl)
63.00	mud 100% m	0.31

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Resources LLC

28-14s-30w Gove Co

P.O.Box 6149

Shreveport LA

71136

ATTN: Kurt Talbott

MSJ Penner 28 3

Job Ticket: 59218

DST#: 4

Test Start: 2014.11.19 @ 11:14:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 9.17 in³

Resistivity: 0.00 ohm.m

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	mud 100% m	0.310

Total Length: 63.00 ft

Total Volume: 0.310 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

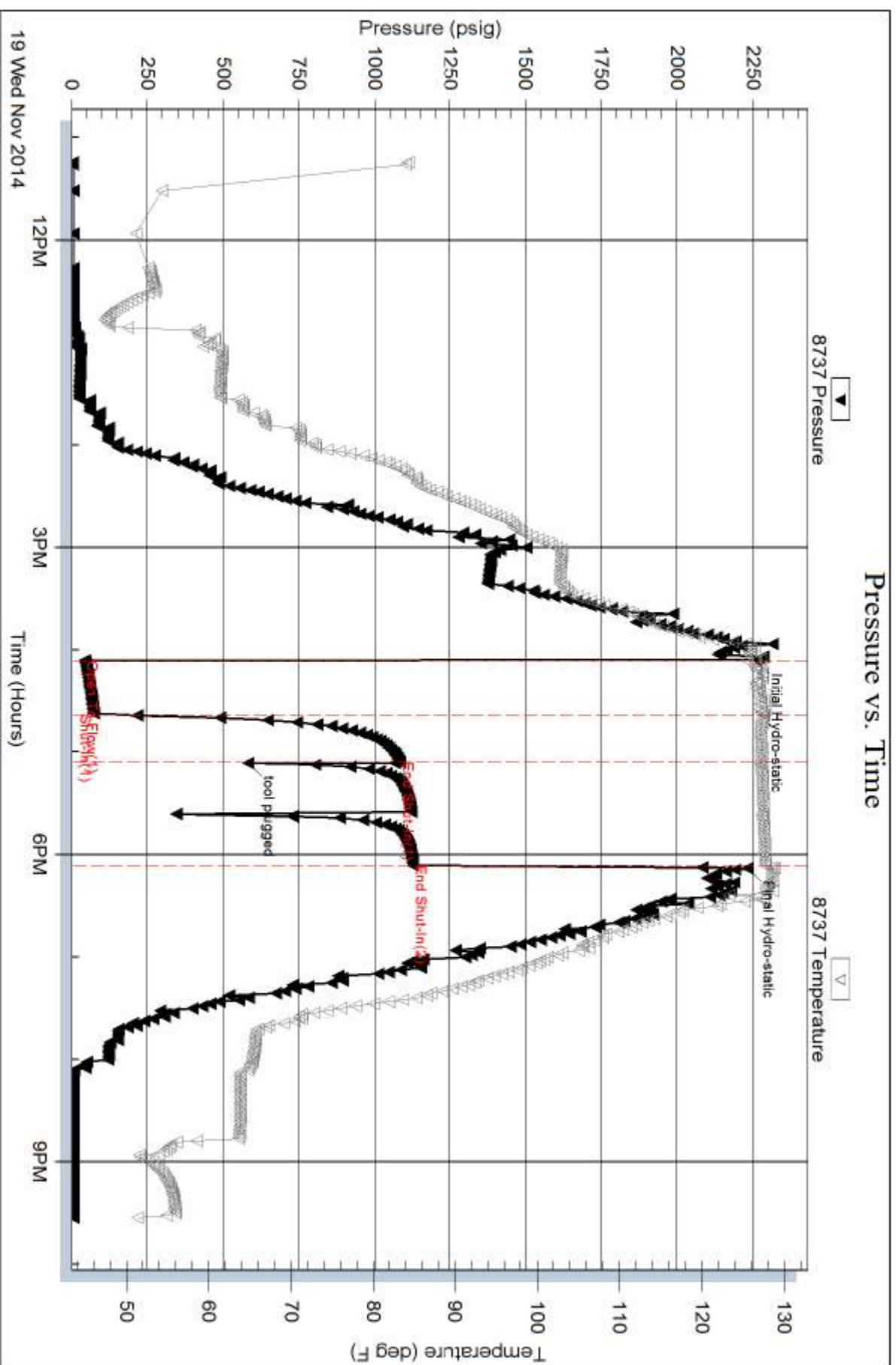
Recovery Comments:

Serial #: 8737

Outside O'Brien Resources LLC

MSU Penner 28 3

DST Test Number: 4



Serial #: 8646

Below (Stratfield) Resources LLC

MSJ Penner 28 3

DST Test Number: 4

