



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1086960
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: _____

1086960

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

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

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

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: 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> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Hayes 27 1
Doc ID	1086960

All Electric Logs Run

Borehole Profile
Compensated Neutron/Density PE Log
Dual Induction
Micro Log
Sonic Log
Triple Combo Log

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

July 20, 2012

Heather Haynes
O'Brien Resources, LLC
PO BOX 6149
SHREVEPORT, LA 71136

Re: ACO1
API 15-063-21986-00-00
Hayes 27 1
SW/4 Sec.27-14S-30W
Gove 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,
Heather Haynes



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

Job Ticket: 48000

DST#: 1

ATTN: Sean Deenihan

Test Start: 2012.07.03 @ 04:45:33

GENERAL INFORMATION:

Formation: **Lansing D&E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:41:43

Time Test Ended: 11:39:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **3877.00 ft (KB) To 3926.00 ft (KB) (TVD)**

Reference Elevations: 2755.00 ft (KB)

Total Depth: 3926.00 ft (KB) (TVD)

2750.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: **8373**

Inside

Press @ Run Depth: 163.28 psig @ 3878.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.03

End Date:

2012.07.03

Last Calib.:

2012.07.03

Start Time:

04:45:33

End Time:

11:39:12

Time On Btm:

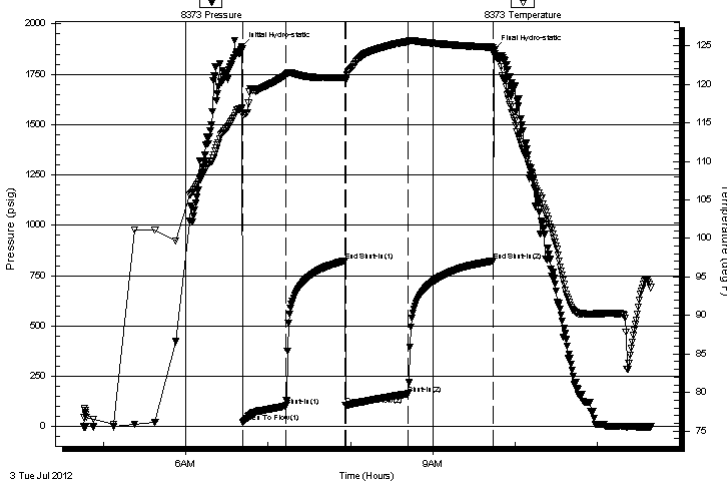
2012.07.03 @ 06:40:43

Time Off Btm:

2012.07.03 @ 09:44:57

TEST COMMENT: IF: 1/4 blow built to 9 1/2 in 30 min.
IS: No return.
FF: Surface blow BOB in 41 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1888.57	116.90	Initial Hydro-static
1	21.43	115.98	Open To Flow (1)
33	103.13	121.16	Shut-In(1)
76	824.24	120.90	End Shut-In(1)
76	106.05	120.53	Open To Flow (2)
122	163.28	125.55	Shut-In(2)
184	822.94	124.80	End Shut-In(2)
185	1872.37	124.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 90%w 10%m	1.49
129.00	w cm 40%w 60%m	1.81
5.00	free oil 100%o	0.07

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

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

Job Ticket: 48000

DST#: 1

ATTN: Sean Deenihan

Test Start: 2012.07.03 @ 04:45:33

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:

53000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 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
186.00	mcw 90%w 10%m	1.489
129.00	w cm 40%w 60%m	1.810
5.00	free oil 100%o	0.070

Total Length: 320.00 ft Total Volume: 3.369 bbl

Num Fluid Samples: 0

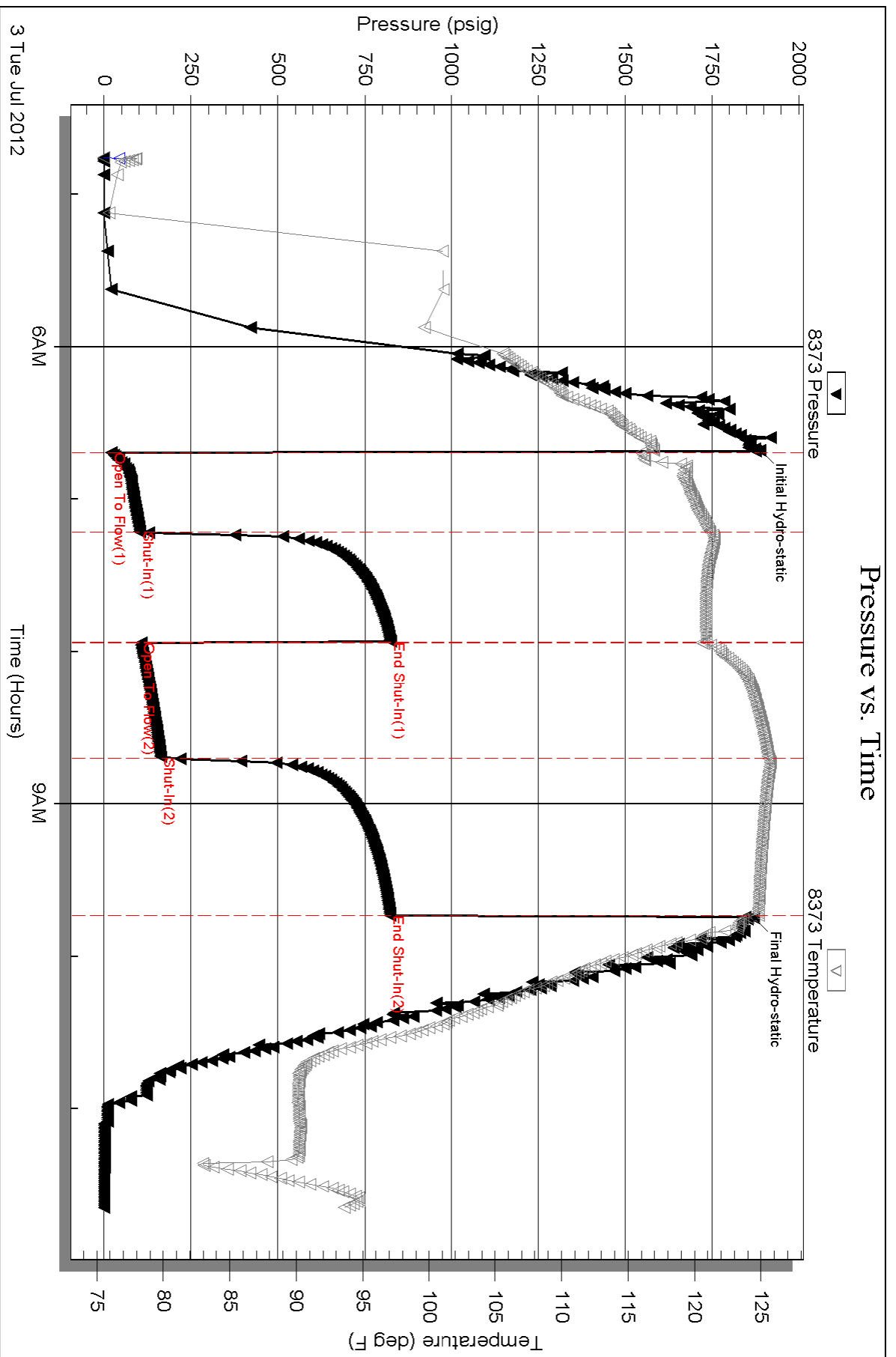
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .12@91=53000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

O'Brien Resources LLC

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

ATTN: Sean Deenihan

Job Ticket: 48351

DST#: 2

Test Start: 2012.07.03 @ 17:25:24

GENERAL INFORMATION:

Formation: **Geo did not give me**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:07:39

Time Test Ended: 22:16:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **3924.00 ft (KB) To 3852.00 ft (KB) (TVD)**

Reference Elevations: 2755.00 ft (KB)

Total Depth: 3852.00 ft (KB) (TVD)

2750.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 27.82 psig @ 3925.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.03

End Date:

2012.07.03

Last Calib.:

2012.07.03

Start Time:

17:25:29

End Time:

22:16:23

Time On Btm:

2012.07.03 @ 19:06:24

Time Off Btm:

2012.07.03 @ 20:41:54

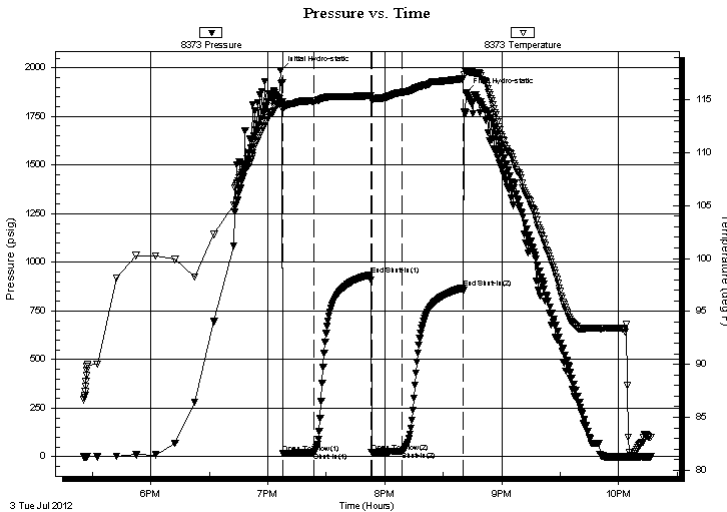
TEST COMMENT: IF: Surface blow died in 6 min.

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1986.92	114.67	Initial Hydro-static
2	17.36	114.03	Open To Flow (1)
17	22.18	114.88	Shut-In(1)
47	935.04	115.37	End Shut-In(1)
47	23.35	114.95	Open To Flow (2)
63	27.82	115.68	Shut-In(2)
94	869.05	116.96	End Shut-In(2)
96	1871.30	117.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

* 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

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

Job Ticket: 48351

DST#: 2

ATTN: Sean Deenihan

Test Start: 2012.07.03 @ 17:25:24

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 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 bbbl
5.00	mud 100% _m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

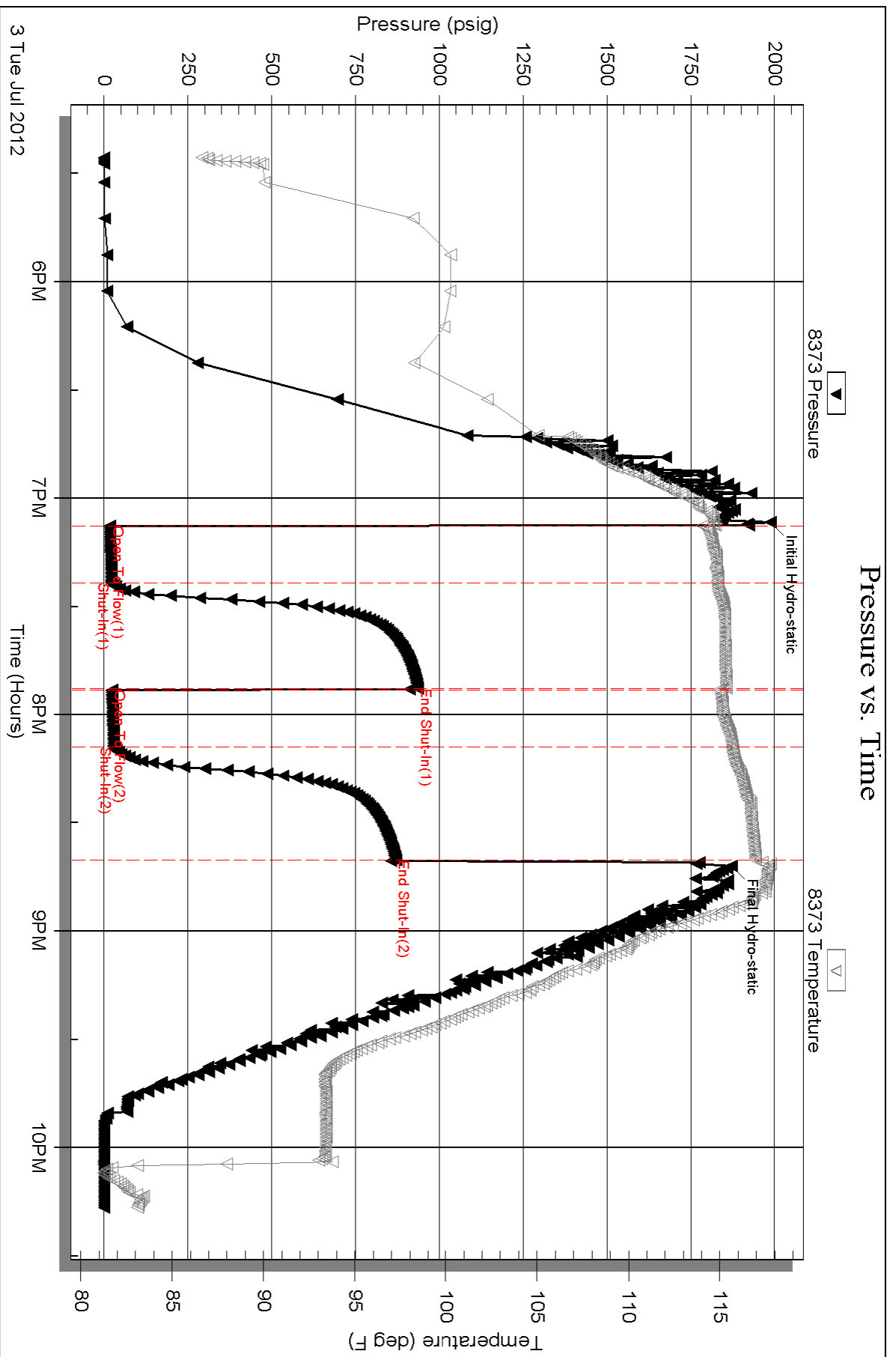
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

O'Brien Resources LLC

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

ATTN: Sean Deenihan

Job Ticket: 48352

DST#: 3

Test Start: 2012.07.04 @ 12:18:40

GENERAL INFORMATION:

Formation: **Lansing K&L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:12:25

Time Test Ended: 18:14:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4096.00 ft (KB) To 4148.00 ft (KB) (TVD)

Reference Elevations: 2755.00 ft (KB)

Total Depth: 4148.00 ft (KB) (TVD)

2750.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 226.26 psig @ 4097.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.04

End Date:

2012.07.04

Last Calib.:

2012.07.04

Start Time: 12:18:45

End Time:

18:14:39

Time On Btm:

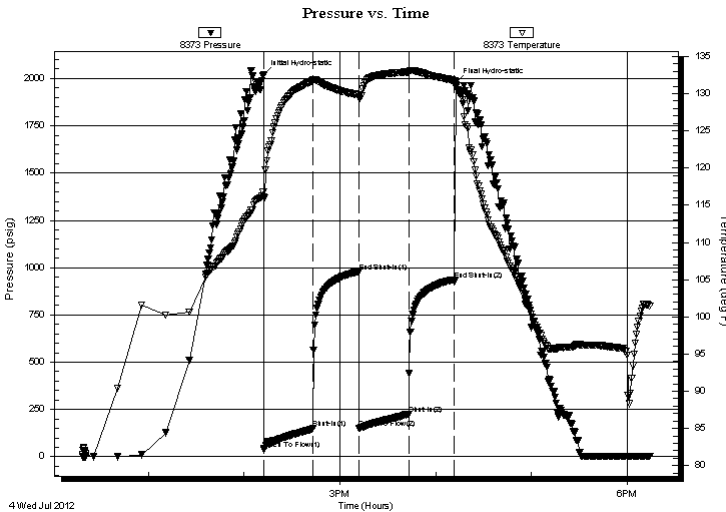
2012.07.04 @ 14:12:10

Time Off Btm:

2012.07.04 @ 16:12:55

TEST COMMENT: IF: BOB in 14 min.
IS: No return.
FF: BOB in 18 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2019.45	116.77	Initial Hydro-static
1	40.78	116.03	Open To Flow (1)
31	149.57	131.69	Shut-In(1)
60	979.15	129.82	End Shut-In(1)
60	151.84	129.40	Open To Flow (2)
91	226.26	132.91	Shut-In(2)
120	936.72	131.79	End Shut-In(2)
121	1979.18	130.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 95%w 5%m	1.49
268.00	mcw 70%w 30%m	3.76

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

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

Job Ticket: 48352

DST#: 3

ATTN: Sean Deenihan

Test Start: 2012.07.04 @ 12:18:40

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:

50000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 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 bbbl
186.00	mcw 95%w 5%m	1.489
268.00	mcw 70%w 30%m	3.759

Total Length: 454.00 ft Total Volume: 5.248 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

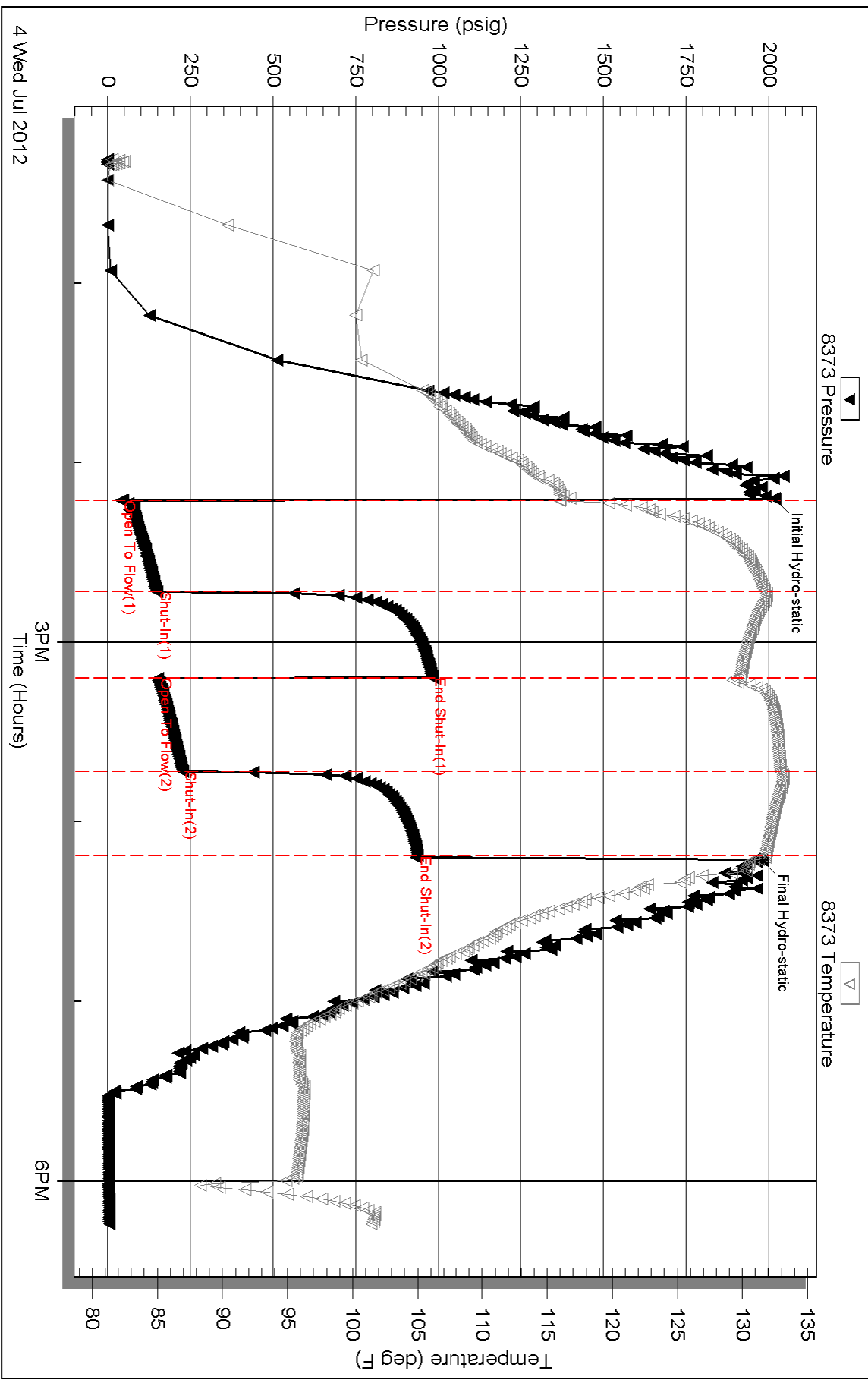
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .10@103=50000

Pressure vs. Time



4 Wed Jul 2012



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

ATTN: Sean Deenihan

Job Ticket: 48353

DST#: 4

Test Start: 2012.07.05 @ 11:07:17

GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:10:02

Time Test Ended: 18:03:17

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4316.00 ft (KB) To 4348.00 ft (KB) (TVD)

Reference Elevations: 2755.00 ft (KB)

Total Depth: 4348.00 ft (KB) (TVD)

2750.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 116.90 psig @ 4317.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.05

End Date:

2012.07.05

Last Calib.: 2012.07.05

Start Time: 11:07:22

End Time:

18:03:16

Time On Btm: 2012.07.05 @ 13:09:32

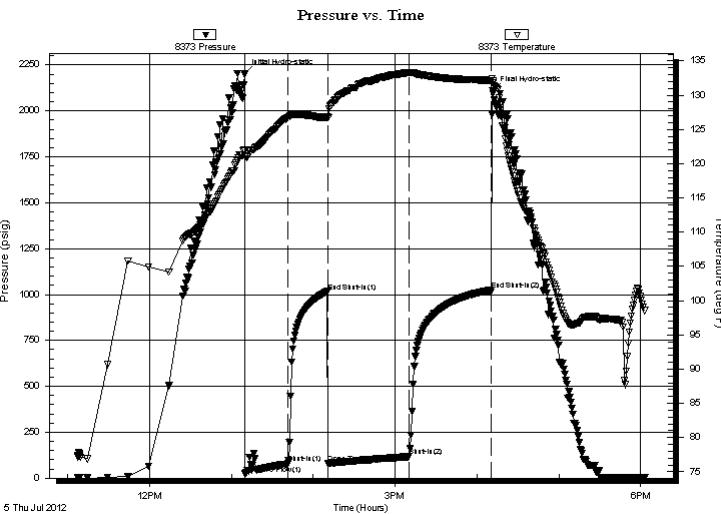
Time Off Btm: 2012.07.05 @ 16:11:32

TEST COMMENT: IF: 1/4 blow built to 4 in 30 min.

IS: No return.

FF: Surface blow built to 5 in 60 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.83	121.96	Initial Hydro-static
1	23.31	121.10	Open To Flow (1)
32	78.05	126.77	Shut-In(1)
61	1016.76	126.77	End Shut-In(1)
62	81.24	126.70	Open To Flow (2)
121	116.90	133.30	Shut-In(2)
181	1024.44	132.16	End Shut-In(2)
182	2111.29	132.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 85%w 15%m	0.62
82.00	mcw 60%w 40%m	1.15
1.00	free oil 100%o	0.01

* 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

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

Job Ticket: 48353

DST#: 4

ATTN: Sean Deenihan

Test Start: 2012.07.05 @ 11:07:17

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:

53000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 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
124.00	mcw 85%w 15%m	0.619
82.00	mcw 60%w 40%m	1.150
1.00	free oil 100%o	0.014

Total Length: 207.00 ft Total Volume: 1.783 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

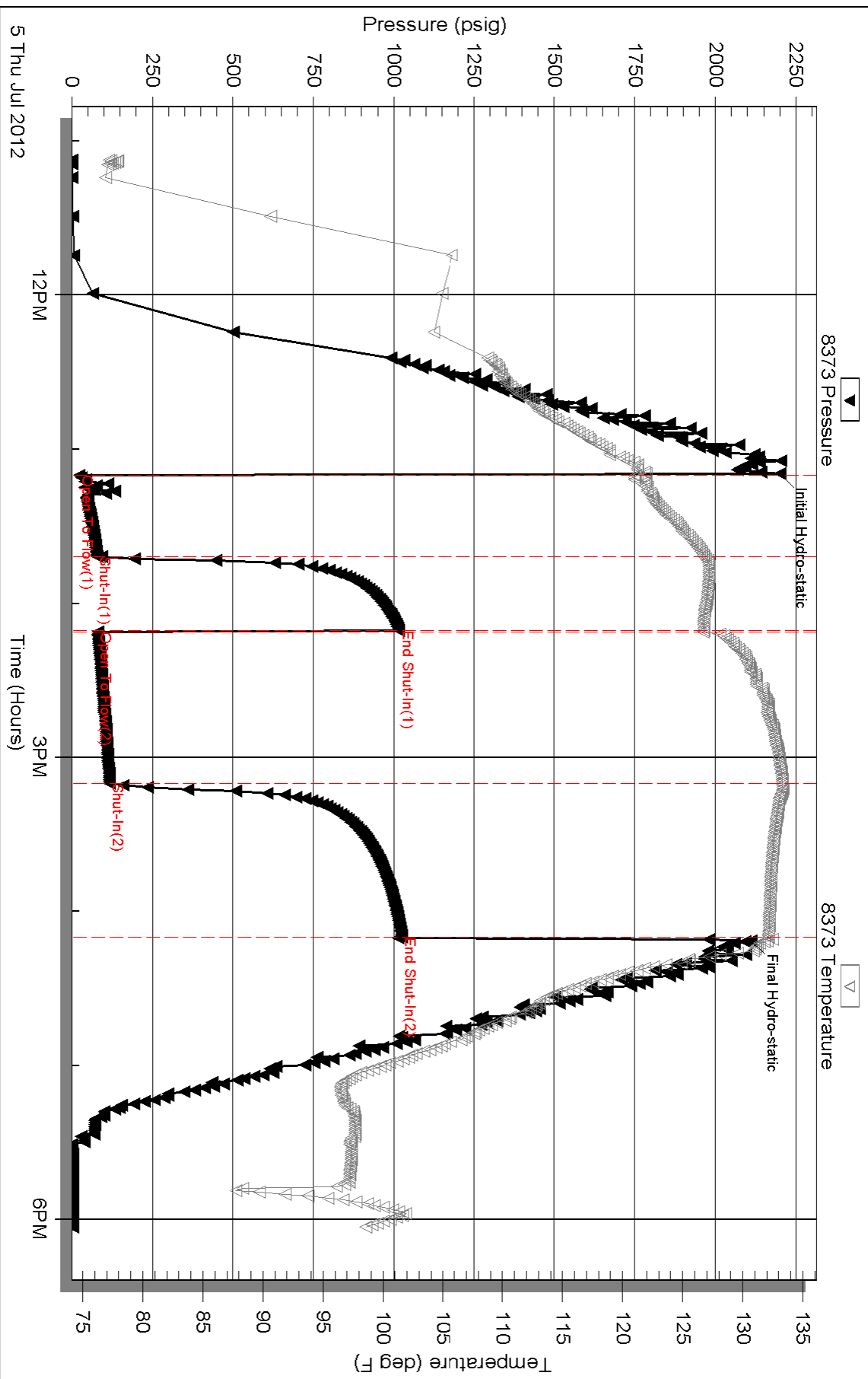
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .10@100=53000

Pressure vs. Time

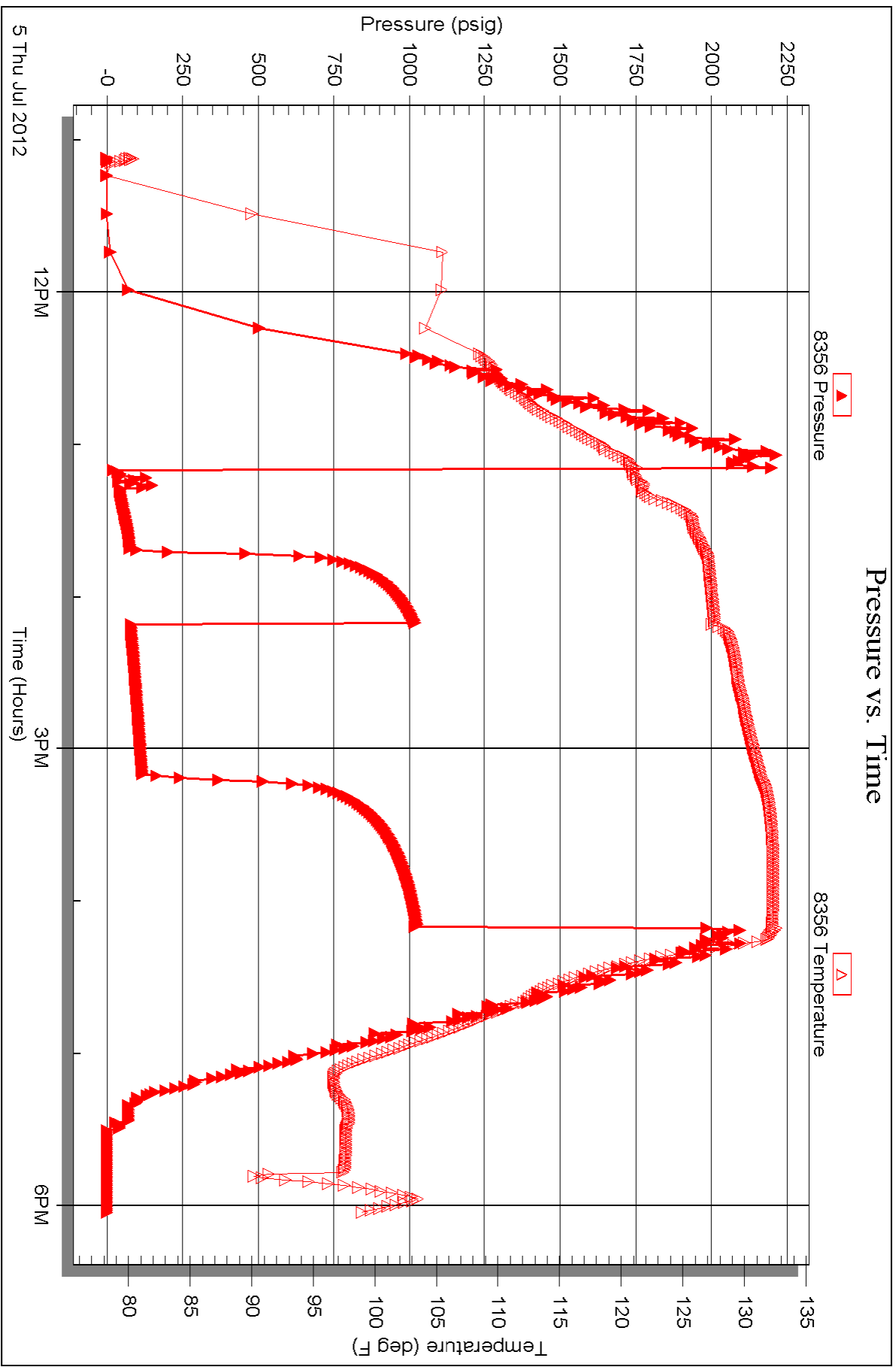


Serial #: 8356

Outside O'Brien Resources LLC

Hayes 27 #1

DST Test Number: 4





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Brien Resources LLC

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

ATTN: Sean Deenihan

Job Ticket: 48354

DST#: 5

Test Start: 2012.07.06 @ 05:47:08

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:56:38

Time Test Ended: 13:22:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **4377.00 ft (KB) To 4446.00 ft (KB) (TVD)**

Reference Elevations: 2755.00 ft (KB)

Total Depth: 4446.00 ft (KB) (TVD)

2750.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: **8373**

Inside

Press @ Run Depth: 209.33 psig @ 4378.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.06

End Date:

2012.07.06

Last Calib.:

2012.07.06

Start Time: 05:47:13

End Time:

13:22:37

Time On Btm:

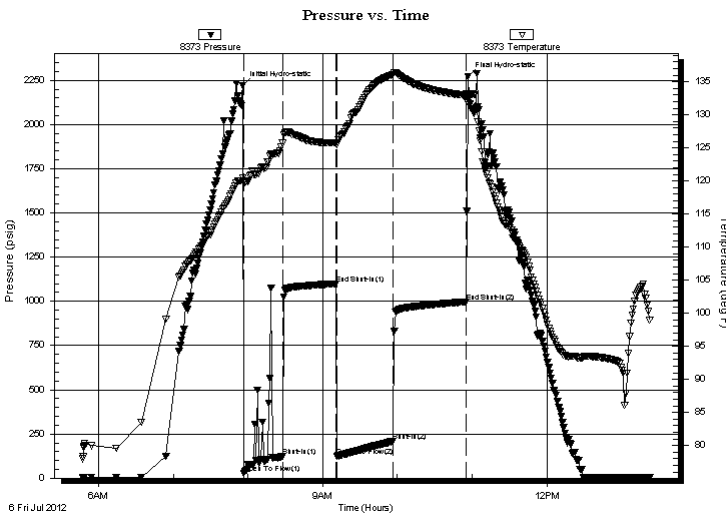
2012.07.06 @ 07:55:38

Time Off Btm:

2012.07.06 @ 10:56:38

TEST COMMENT: IF: BOB in 29 min.
IS: No return.
FF: BOB in 34 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.79	120.39	Initial Hydro-static
1	26.25	119.88	Open To Flow (1)
32	122.25	125.70	Shut-In(1)
76	1099.98	125.78	End Shut-In(1)
76	124.34	125.48	Open To Flow (2)
122	209.33	136.17	Shut-In(2)
180	997.39	132.94	End Shut-In(2)
181	2270.34	131.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 90%w 10%m	0.62
124.00	mcw 60%w 40%m	1.74
186.00	mud 100%m	2.61

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

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

Job Ticket: 48354

DST#: 5

ATTN: Sean Deenihan

Test Start: 2012.07.06 @ 05:47:08

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:

26000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 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
124.00	mcw 90%w 10%m	0.619
124.00	mcw 60%w 40%m	1.739
186.00	mud 100%m	2.609

Total Length: 434.00 ft Total Volume: 4.967 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

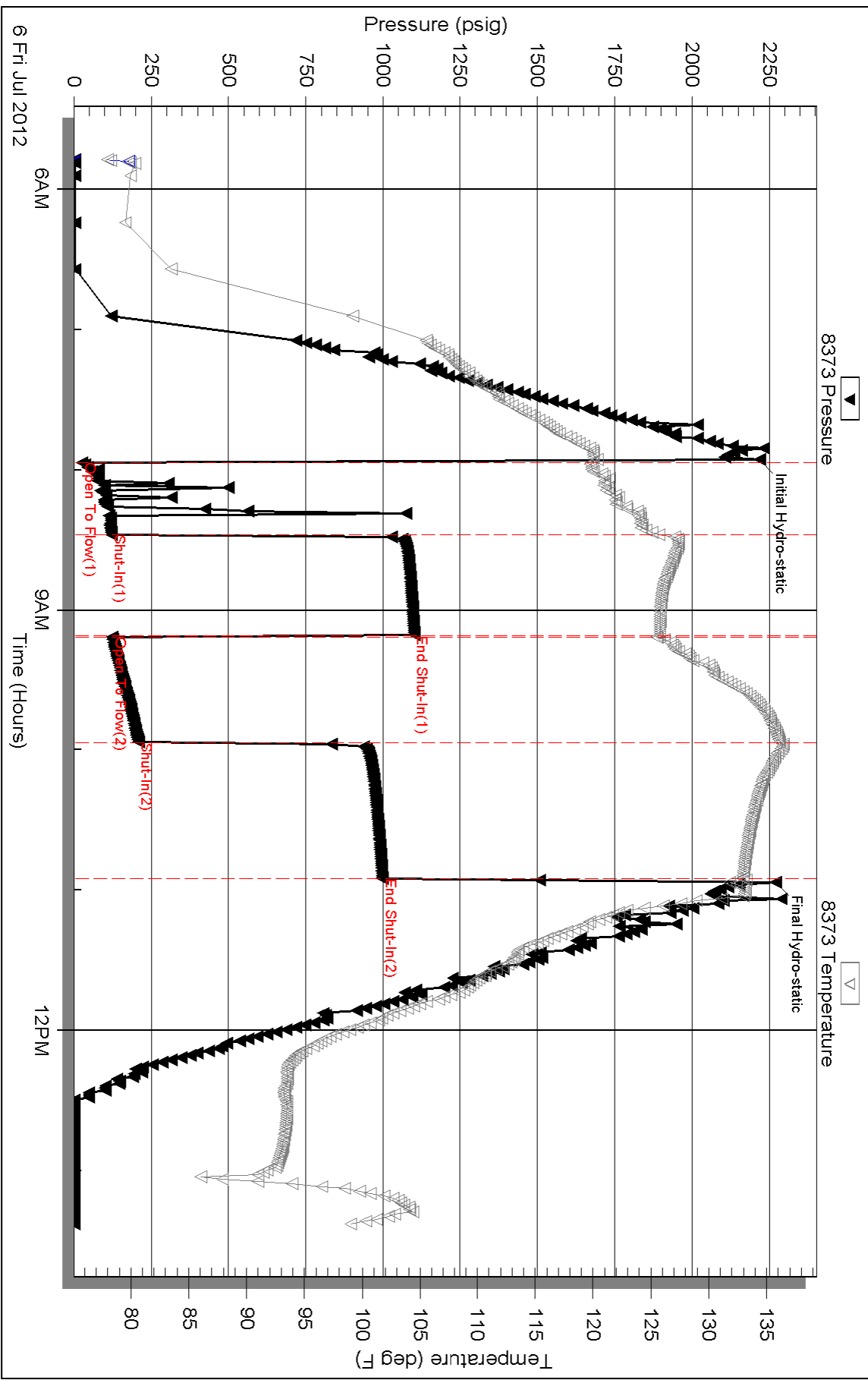
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .18@98=26000

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O Brien Resources LLC

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

ATTN: Sean Deenihan

Job Ticket: 48355

DST#: 6

Test Start: 2012.07.07 @ 13:10:28

GENERAL INFORMATION:

Formation: **Lansing J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:06:58

Time Test Ended: 18:02:58

Test Type: Conventional Straddle (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4074.00 ft (KB) To 4089.00 ft (KB) (TVD)

Reference Elevations: 2755.00 ft (KB)

Total Depth: 4626.00 ft (KB) (TVD)

2750.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8373 Inside

Press @ Run Depth: 28.58 psig @ 4075.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.07 End Date: 2012.07.07

Last Calib.: 2012.07.07

Start Time: 13:10:33 End Time: 18:02:57

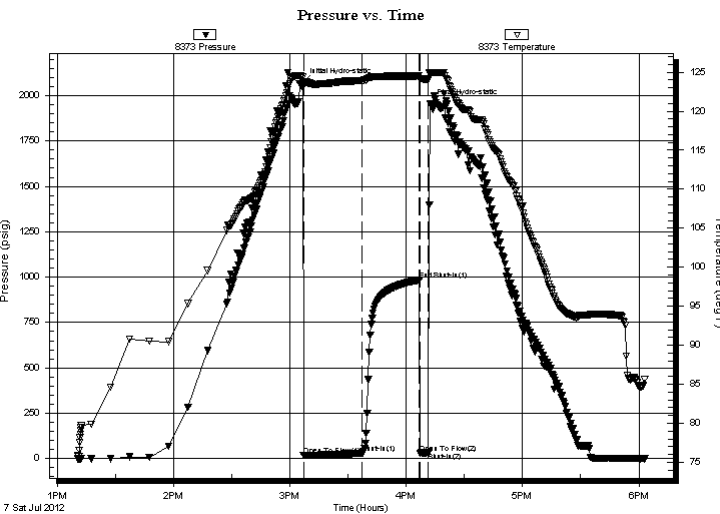
Time On Btm: 2012.07.07 @ 15:06:43

Time Off Btm: 2012.07.07 @ 16:12:28

TEST COMMENT: IF: Surface blow died in 7 min.

IS: No return.

FF: No blow. Pulled tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2072.69	124.39	Initial Hydro-static
1	17.97	123.78	Open To Flow (1)
31	28.58	123.94	Shut-In(1)
60	984.95	124.53	End Shut-In(1)
61	30.51	124.00	Open To Flow (2)
65	32.13	124.12	Shut-In(2)
66	1956.30	124.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud some oil spots 100%m	0.02

* 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

27-14-30 Gove, KS

P.O. Box 6149
Shreveport, LA 71136

Hayes 27 #1

Job Ticket: 48355

DST#: 6

ATTN: Sean Deenihan

Test Start: 2012.07.07 @ 13:10:28

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: 9.18 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
5.00	mud some oil spots 100% m	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:

Serial #: 8373

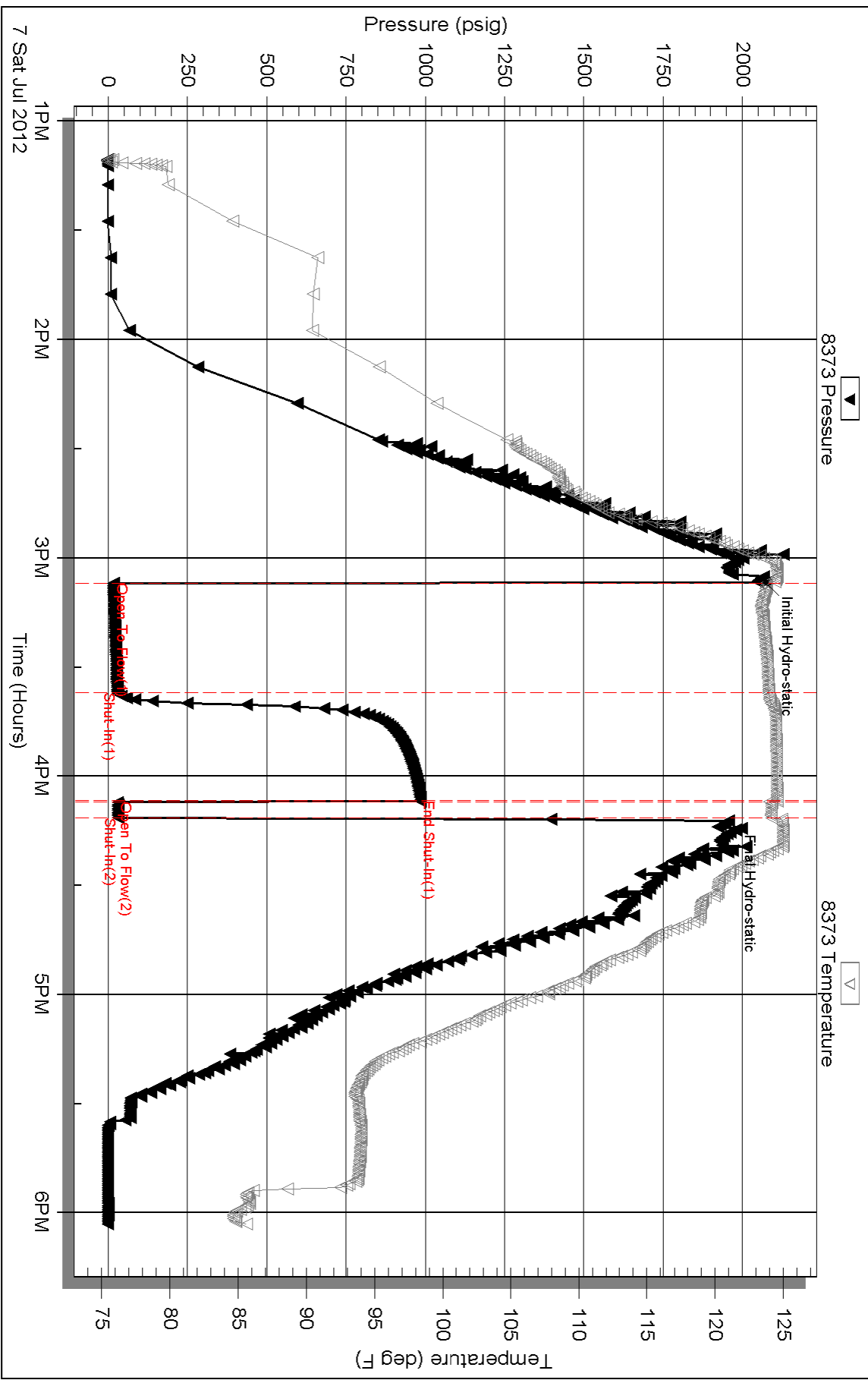
Inside

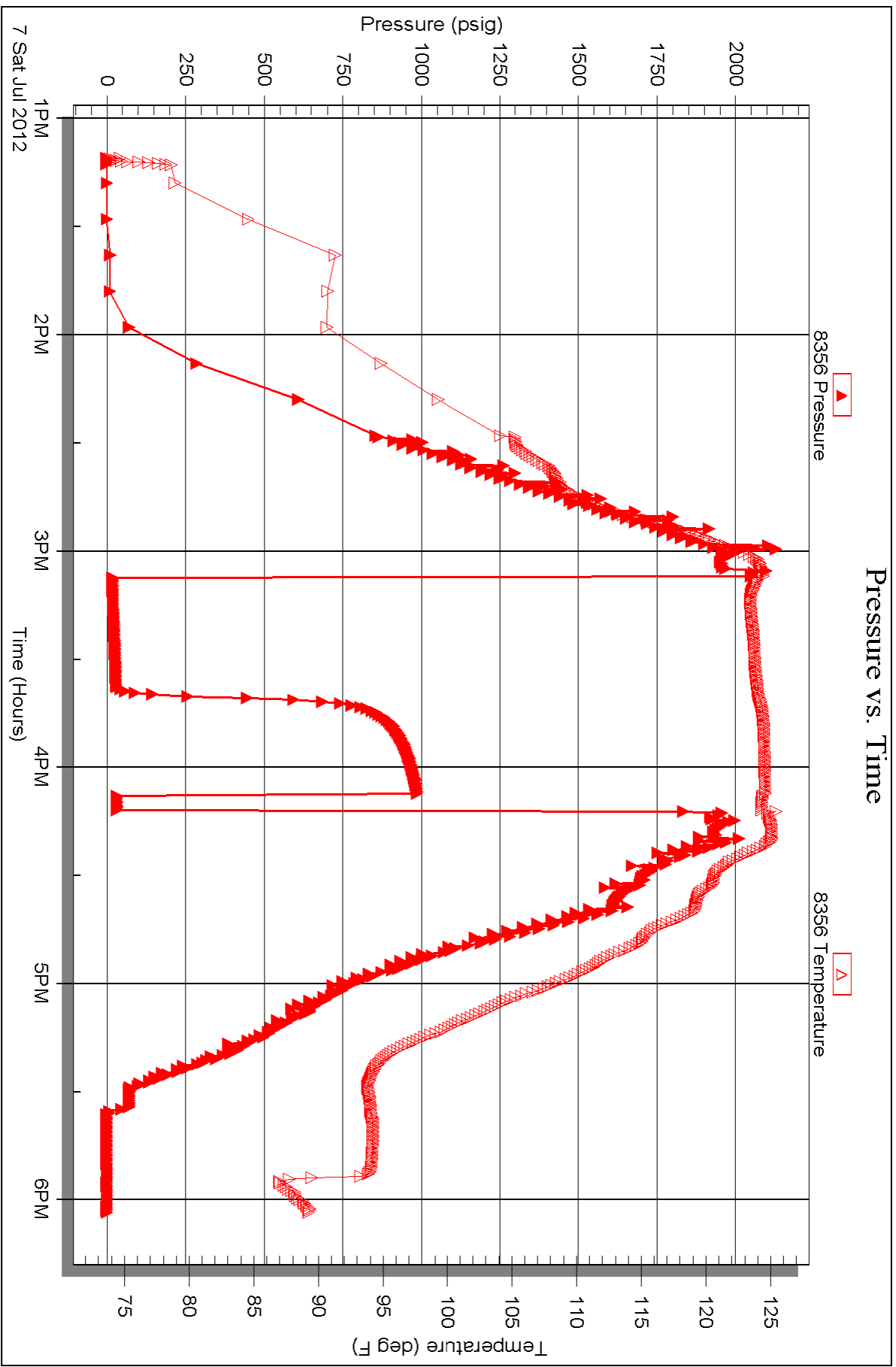
O'Brien Resources LLC

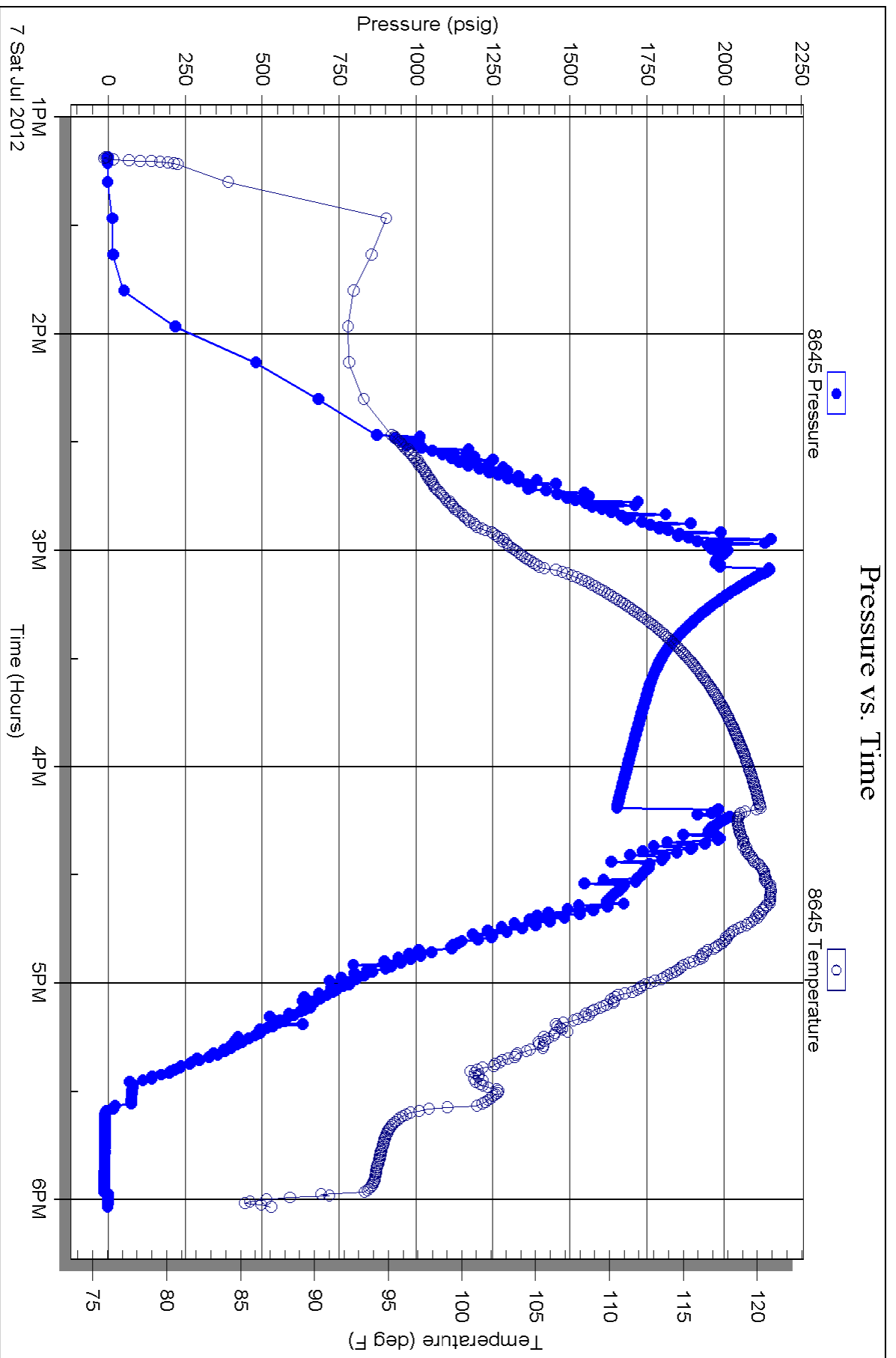
Hayes 27 #1

DST Test Number: 6

Pressure vs. Time







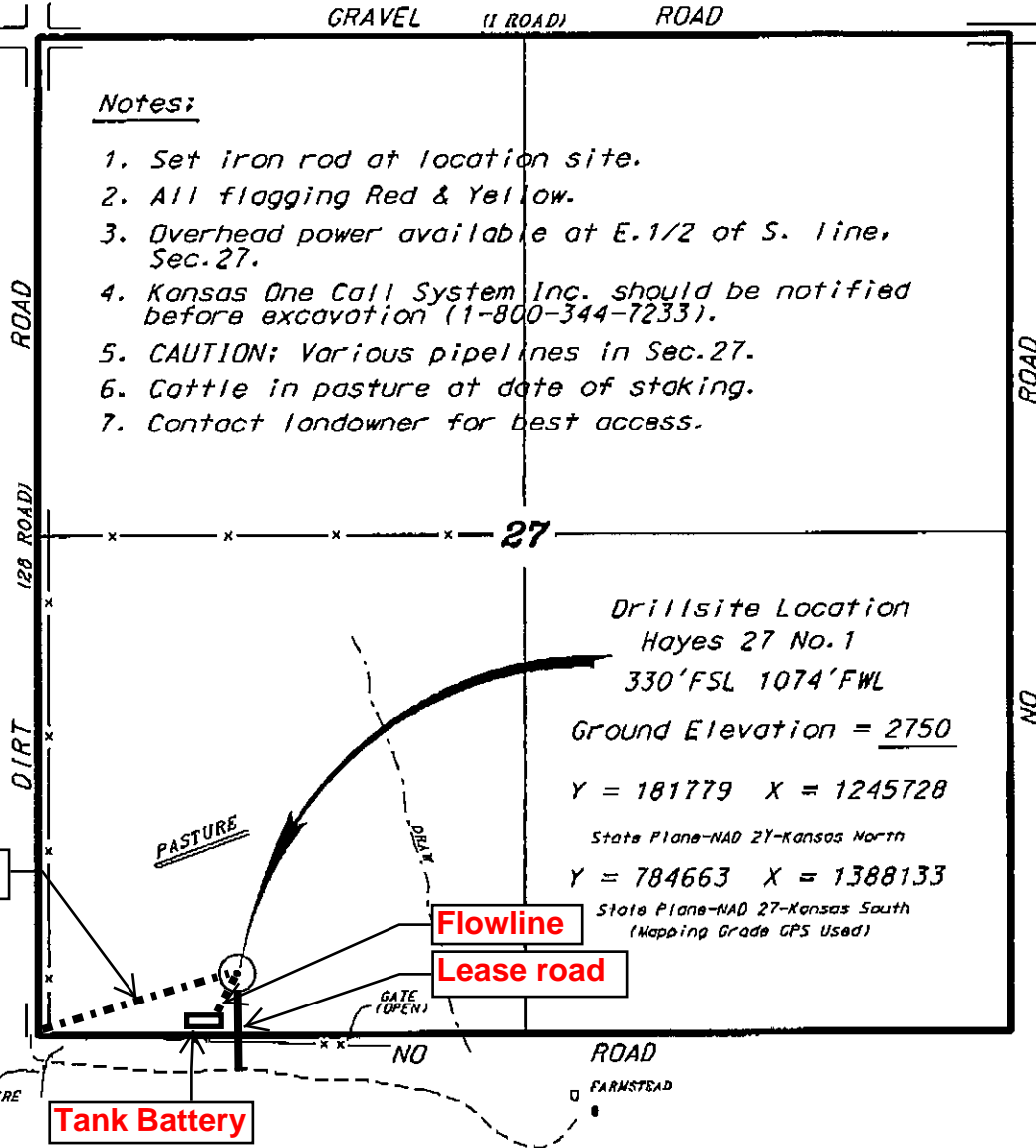
O'BRIEN RESOURCES, LLC
HAYES LEASE
SW. 1/4, SECTION 27, T14S, R30W
GOVE COUNTY, KANSAS

GRAVEL (1 ROAD) ROAD

Notes:

1. Set iron rod at location site.
2. All flagging Red & Yellow.
3. Overhead power available at E. 1/2 of S. line, Sec. 27.
4. Kansas One Call System Inc. should be notified before excavation (1-800-344-7233).
5. CAUTION: Various pipelines in Sec. 27.
6. Cattle in pasture at date of staking.
7. Contact landowner for best access.

* Ingress and egress to location as shown on this plat is for usage only and may not be legally opened for public use. Contact landowner, tenant and county road department for access.



Drillsite Location
Hayes 27 No. 1
330' FSL 1074' FWL

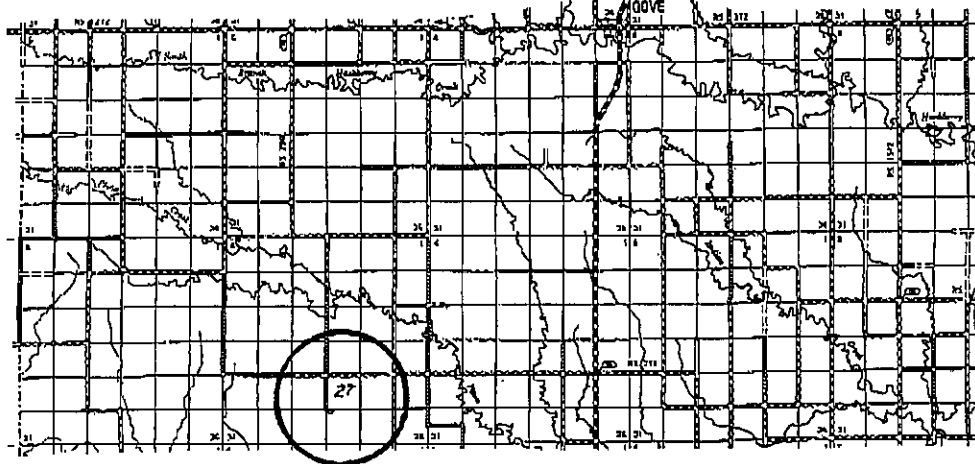
Ground Elevation = 2750

Y = 181779 X = 1245728

State Plane-NAD 27-Kansas North

Y = 784663 X = 1388133

State Plane-NAD 27-Kansas South
(Mapping Grade GPS Used)



* Controlling data is based upon the best maps and photographs available to us and upon a regular section of land containing 640 acres.

* Approximate section lines were determined using the normal standard of care of oilfield surveyors practicing in the state of Kansas. The section corners, which establish the precise section lines, were not necessarily located and the exact location of the drillsite location in the section is not guaranteed. Therefore, the operator, accepting this service and accepting this plat and all other services relying thereon agrees to hold Central Kansas Oilfield Services, Inc., its officers and employees harmless from all losses, costs and expenses and said services released from any liability from incidental or consequential damages.

* Elevations derived from National Geodetic Vertical Datum.

Date March 23, 2012

CENTRAL KANSAS OILFIELD SERVICES, INC. (620)792-1977

ALLIED OIL & GAS SERVICES, LLC 056228

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley

6-29-12	SEC 27	TWP. 14	RANGE 30	CALLED OUT	ON LOCATION	JOB START 7:15 PM	JOB FINISH 7:45 PM
SE Hayes	WELL # 27-1	LOCATION Orion S To MF Rd ETO			COUNTY Cove	STATE KS	
OR NEW (Circle one)				Rd 28-15-6 into			

TRACTOR *WW-2*

TYPE OF JOB *Surface*

PIPE SIZE *12 1/4* T.D. *220*

STRING SIZE *8 5/8* DEPTH *218.17*

STRING SIZE DEPTH

LL PIPE DEPTH

DL DEPTH

S. MAX MINIMUM

AS. LINE SHOE JOINT

INCH LEFT IN CSG. *15'*

FS.

PLACEMENT *12.94*

EQUIPMENT

OWNER *Samuel*

CEMENT

AMOUNT ORDERED *150 SKS Com 3% CC*

2% Gel

COMMON *150 SKS @ \$16.25 = \$2437.50*

POZMIX @

GEL *7 SKS @ \$21.25 = \$148.75*

CHLORIDE *6 SKS @ \$58.32 = \$349.92*

ASC @

@

@

@

@

@

@

@

HANDLING *162.20 ft² x @ \$2.13 = \$340.62*

MILEAGE *7.40 x 40 x @ \$2.35 = \$695.00*

TOTAL *\$3886.67*

IP TRUCK CEMENTER *Duane Lucette*

23-281 HELPER *Tyler Ellise*

JK TRUCK

04 DRIVER *Brandon Wilkison*

JK TRUCK

DRIVER

REMARKS:

ix 150 sks Cement

1/2" hole with water

cement did circulate

ORIG TO: *O'brian Resources*

SET

STATE ZIP

SERVICE

DEPTH OF JOB *218.17*

PUMP TRUCK CHARGE *\$1125.00*

EXTRA FOOTAGE @

MILEAGE *40 @ \$7.00 = \$280.00*

MANIFOLD *Swedge @ \$200.00*

LV mileage @ \$4.00 = \$160.00

@

TOTAL *\$1765.00*

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

Allied Oil & Gas Services, LLC,
are hereby requested to rent cementing equipment
furnish cementer and helper(s) to assist owner or
tractor to do work as is listed. The above work was
to satisfaction and supervision of owner agent or
actor. I have read and understand the "GENERAL
TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)

TOTAL CHARGES *51651.67*

DISCOUNT IF PAID IN 30 DAYS

CONTACT NAME *Lonnice Lang*

ADDRESS *Lawrence*

ALLIED CEMENTING CO., LLC. 034514

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend

DATE <u>7-7-12</u>	SEC. <u>27</u>	TWP. <u>19</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>10:00 pm</u>	JOB START <u>11:00 am</u>	JOB FINISH <u>2:00 pm</u>
LEASE <u>Hoye</u>	WELL # <u>27-1</u>	LOCATION <u>Dakota, 115, 8E, 10S,</u>	COUNTY <u>Goose</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>			<u>3E, Suite</u>				

CONTRACTOR WV #2

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D.

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2240'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 28.3 bbl

EQUIPMENT _____

OWNER Sams

CEMENT AMOUNT ORDERED 205 sks 6040 49 gal
1/4 # flo seal

COMMON	<u>123 sks @ 16.25</u>	<u>1998.75</u>
POZMIX	<u>82 sks @ 8.50</u>	<u>697.00</u>
GEL	<u>75 sks @ 2.125</u>	<u>159.38</u>
CHLORIDE	@	
ASC	@	
<u>Flo seal 51 #</u>	<u>@ 2.70</u>	<u>137.70</u>
HANDLING	<u>220.17 sks @ 2.10</u>	<u>462.36</u>
MILEAGE	<u>9.19 hrs @ 35</u>	<u>321.65</u>
TOTAL		<u>4250.64</u>

PUMP TRUCK CEMENTER Kelene Wentz (D)

398 HELPER Dustin

BULK TRUCK Rossin wehner (GB)

347 DRIVER Brandon Wilkerson (D)

BULK TRUCK DRIVER _____

REMARKS:

mix 29 sks 2240'

mix 190 sks 1279'

mix 40 sks 2681'

mix 10 sks top of hole w/ plug

plug rat hole 30 sks

Thank you

CHARGE TO: O'Brien Resources

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 2240'

PUMP TRUCK CHARGE 1250.00

EXTRA FOOTAGE @ _____

MILEAGE 35 @ 7.00 245.00

MANIFOLD @ _____

L.D. mileage 35 @ 4.00 140.00

TOTAL 1635.00

PLUG & FLOAT EQUIPMENT

<u>Wooden plug</u>	@	<u>92.00</u>
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		<u>92.00</u>

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.

PRINTED NAME Jeanne Lang

SIGNATURE Jeanne Lang

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS