

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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
--	---

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY DARRAH OIL COMPANY, LLC	ELEVATIONS
LEASE GAUNT UNIT 2-29	KB 1902' GL 1891'
FIELD SWADER	Measurements Are All
LOCATION 2641' FSL & 1050' FEL	From KB
SECTION 29 TOWNSHIP 20S RANGE 13W	API # 15-009-26330
COUNTY BARTON STATE KANSAS	

CONTRACTOR MURFIN DRILLING, Rig #20	CASING
SPUD 02/21/2022 COMP 03/01/2022	SURFACE 8 5/8" set @ 322' w/ 475
RTD 3569' LTD 3563'	ss 60/40 poz, 2% gel
ELECTRICAL SURVEYS	PRODUCTION 5 1/2" set @ 3562' w/
Midwest Wireline: DIL, CNL/CDL, MEL/BHCS	150 ss H-Long

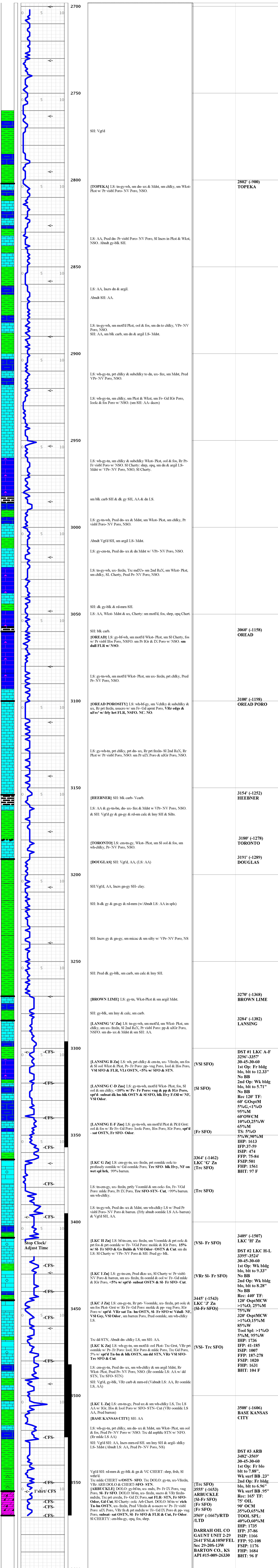
FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
STONE CORRAL/ ANHYDRITE	774' (+1128)	776' (+1126)	02/21/2022- SPUD 12 1/4" huc. Run 8 5/8" surface casing, set @ 322' w/ 475 ss 60/40 poz, 2% gel.
TOPEKA	2800' (-898)	2802' (-900)	02/22/2022- Drlg @ 366' @ 8:00 AM.
OREAD	3058' (-1156)	3060' (-1158)	02/23/2022- Drlg @ 1747' @ 8:00 AM. Displace mud system.
HEEBNER	3153' (-1251)	3154' (-1252)	02/24/2022- Drlg @ 2700' @ 8:00 AM. Shows in the LKC B, D & E-F zones.
TORONTO	3178' (-1276)	3180' (-1278)	02/25/2022- Drlg @ 3340' @ 8:00 AM. DST #1 3296-3357' LKC A-F.
DOUGLAS	3189' (-1287)	3191' (-1289)	02/26/2022- Drlg @ 3386' @ 8:00 AM. DST #2 3395-3524' LKC H-L.
BROWN LIME	3269' (-1367)	3270' (-1368)	02/27/2022- Drlg @ 3524' @ 8:00 AM. DST #3 3482-3569' Arbuttle.
LANSING	3280' (-1378)	3284' (-1382)	02/28/2022- LDDP @ RTD 3569'. Run OH E-logs. Set 5 1/2" production casing @ 3562' w/ 150 ss H-Long.
LKC 'G' Zn	3362' (-1460)	3364' (-1462)	03/01/2022- Run production casing. Plug down @ 8:00 AM. Rig down.
LKC 'F' Zn	3410' (-1508)	3409' (-1507)	
LKC 'J' Zn	3444' (-1542)	3445' (-1543)	
BASE KANSAS CITY	3506' (-1604)	3508' (-1606)	
ARBUCKLE	3555' (-1653)	3555' (-1653)	
RTD/LTD	3563' (-1661)	3569' (-1667)	

REMARKS:

PRODUCTION CASING: Cemented by HSI 03/01/2022, Ticket # WP2462.
Run 113 lbs mud 5 1/2" 15.5# casing, 29.66' shoe joint. Hook to casing, break circulation. Pump 5 bbl H2O, pump 12 bbl mud. flush, pump 20 bbl KCl H2O. Mix 150 sbs H-Long cement, 1.50 ppwt. yield = 38 bbl, wash pump and line, drop plug. Start displacement, lift pressure, bump plug @ 1500 psi. Plug down 7:48 AM. Mix 30 sbs H-Plug for rat hole, Mix 20 sbs H-Plug for mouse hole.

Run basket on top of #4, Centralizers on #4, #5, #9, #14, #20.

Respectfully submitted,
Roger L. Martin, Geologist





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company
 125 N Market Suite 1425
 Wichita, Ks. 67202
 ATTN: Seth Evenson

29 20S 13W
Gaunt Unit 2-29
 Job Ticket: 67614 **DST#: 1**
 Test Start: 2022.02.25 @ 15:09:24

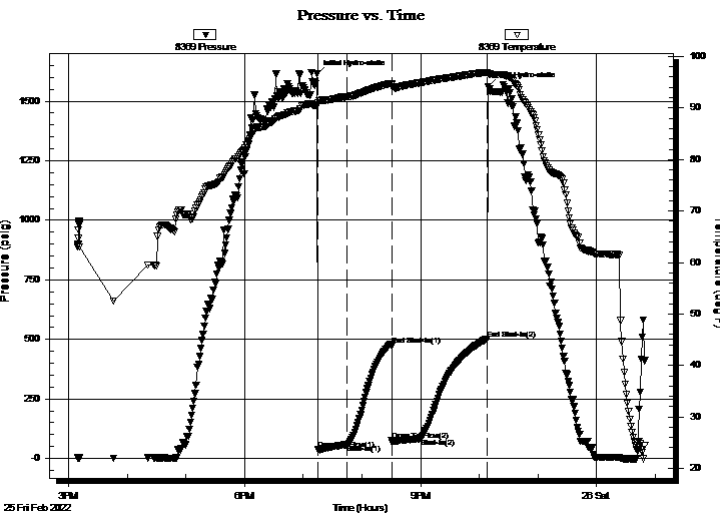
GENERAL INFORMATION:

Formation: **Lansing A-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:20:24
 Time Test Ended: 00:49:13
 Interval: **3296.00 ft (KB) To 3357.00 ft (KB) (TVD)**
 Total Depth: 3357.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Eric Burgess
 Unit No: 80
 Reference Elevations: 1902.00 ft (KB)
 1891.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8369

Press@RunDepth: 83.93 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.02.25 End Date: 2022.02.26 Last Calib.: 1899.12.30
 Start Time: 15:09:24 End Time: 00:49:13 Time On Btm: 2022.02.25 @ 19:14:14
 Time Off Btm: 2022.02.25 @ 22:09:14

TEST COMMENT: IF:Fair Building Blow built to 12.33" (30)
 IS:No Blow Back (45)
 FF:Weak Building Blow built to 5.71" (30)
 FS:No Blow Back (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.44	90.65	Initial Hydro-static
2	37.13	90.95	Open To Flow (1)
31	58.60	92.17	Shut-In(1)
77	474.43	94.78	End Shut-In(1)
77	74.96	94.61	Open To Flow (2)
106	83.93	94.92	Shut-In(2)
174	501.15	96.91	End Shut-In(2)
176	1560.63	96.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOSM 95%M 5%G <1%O	0.46
60.00	OWCM 65%M 25%W 10%O	0.46
0.00	TS OWCM 90%M 5%W 5%O	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

29 20S 13W

125 N Market Suite 1425
Wichita, Ks. 67202

Gaunt Unit 2-29

Job Ticket: 67614

DST#: 1

ATTN: Seth Evenson

Test Start: 2022.02.25 @ 15:09:24

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:

25000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GOSM 95%M 5%G <1%O	0.457
60.00	OWCM 65%M 25%W 10%O	0.457
0.00	TS OWCM 90%M 5%W 5%O	0.000

Total Length: 120.00 ft

Total Volume: 0.914 bbl

Num Fluid Samples: 0

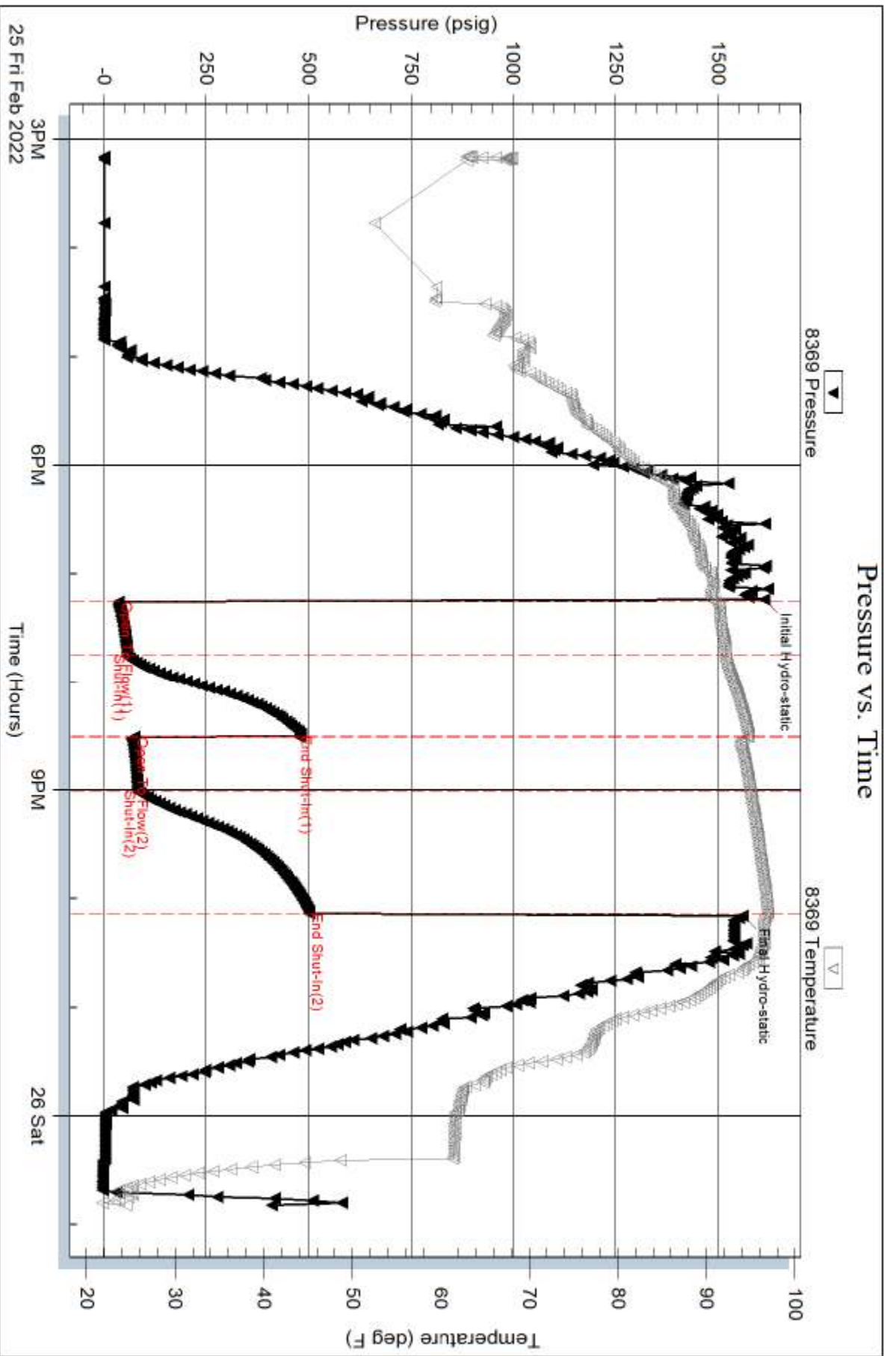
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company
 125 N Market Suite 1425
 Wichita, Ks. 67202
 ATTN: Seth Evenson

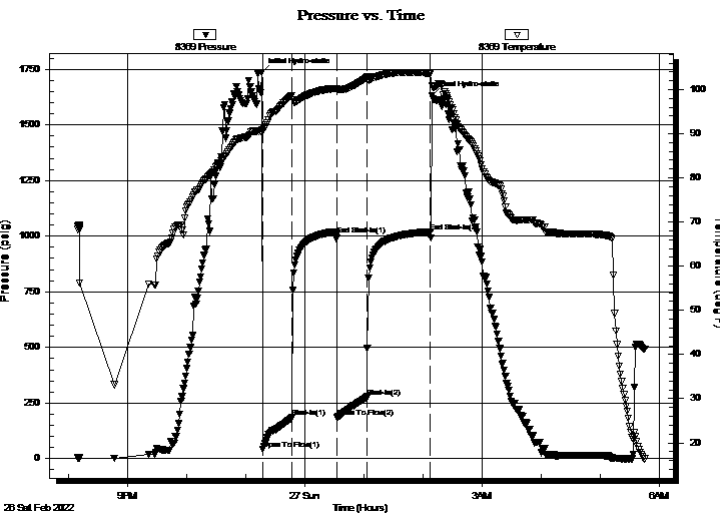
29 20S 13W
Gaunt Unit 2-29
 Job Ticket: 67615 **DST#: 2**
 Test Start: 2022.02.26 @ 20:09:43

GENERAL INFORMATION:

Formation: **Lansing KC H-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:17:23
 Time Test Ended: 05:45:43
 Interval: **3395.00 ft (KB) To 3524.00 ft (KB) (TVD)**
 Total Depth: 3524.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Eric Burgess
 Unit No: 80
 Reference Elevations: 1902.00 ft (KB)
 1891.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8369 Inside
 Press@RunDepth: 277.57 psig @ 3396.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.02.26 End Date: 2022.02.27 Last Calib.: 2022.02.26
 Start Time: 20:09:44 End Time: 05:45:43 Time On Btm: 2022.02.26 @ 23:16:13
 Time Off Btm: 2022.02.27 @ 02:08:52

TEST COMMENT: IF:Weak Building Blow built to 9.33" (30)
 IS:No Blow Back (45)
 FF:Weak Building Blow built to 8.28" (30)
 FS:No Blow Back (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.00	90.79	Initial Hydro-static
2	40.61	90.66	Open To Flow (1)
31	185.49	98.70	Shut-In(1)
77	1007.47	100.21	End Shut-In(1)
77	186.52	99.94	Open To Flow (2)
108	277.57	102.69	Shut-In(2)
172	1020.22	103.70	End Shut-In(2)
173	1630.89	100.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
320.00	OSMCW >1%O 85%W 15%M	3.55
120.00	OSMCW >1%O 75%W 25%M	1.68
0.00	OSMCW >1%O 95%W 5%M Tool Sample	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Darrah Oil Company
125 N Market Suite 1425
Wichita, Ks. 67202

ATTN: Seth Evenson

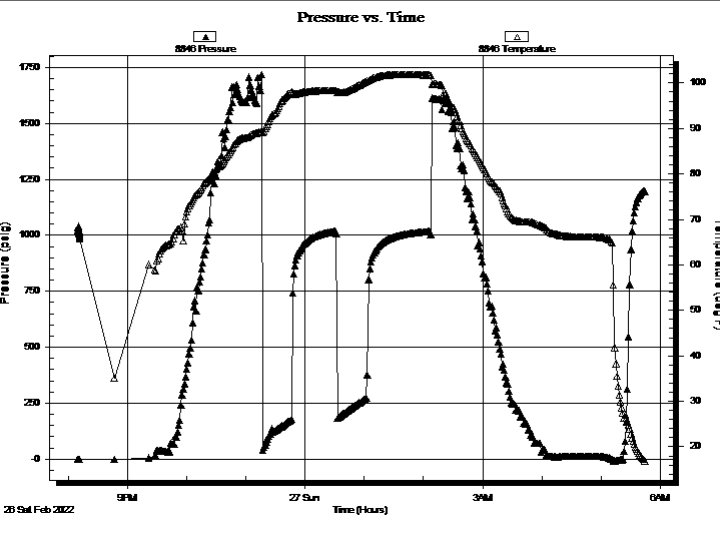
29 20S 13W
Gaunt Unit 2-29
Job Ticket: 67615 **DST#: 2**
Test Start: 2022.02.26 @ 20:09:43

GENERAL INFORMATION:

Formation: Lansing KC H-L	
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 23:17:23	Tester: Eric Burgess
Time Test Ended: 05:45:43	Unit No: 80
Interval: 3395.00 ft (KB) To 3524.00 ft (KB) (TVD)	Reference Elevations: 1902.00 ft (KB)
Total Depth: 3524.00 ft (KB) (TVD)	1891.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF: 11.00 ft

Serial #: 8846	Inside			Capacity: 8000.00 psig
Press@RunDepth: psig @ 3396.00 ft (KB)				Last Calib.: 1899.12.30
Start Date: 2022.02.26	End Date: 2022.02.27			Time On Btm:
Start Time: 20:09:18	End Time: 05:45:17			Time Off Btm:

TEST COMMENT: IF:Weak Building Blow built to 9.33" (30)
IS:No Blow Back (45)
FF:Weak Building Blow built to 8.28" (30)
FS:No Blow Back (60)



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
320.00	OSMCW >1%O 85%W 15%M	3.55
120.00	OSMCW >1%O 75%W 25%M	1.68
0.00	OSMCW >1%O 95%W 5%M Tool Sample	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

Darrah Oil Company

29 20S 13W

125 N Market Suite 1425
Wichita, Ks. 67202

Gaunt Unit 2-29

Job Ticket: 67615

DST#: 2

ATTN: Seth Evenson

Test Start: 2022.02.26 @ 20:09:43

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 0.20 inches

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

Oil API: deg API
Water Salinity: 42000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
320.00	OSMCW >1%O 85%W 15%M	3.546
120.00	OSMCW >1%O 75%W 25%M	1.683
0.00	OSMCW >1%O 95%W 5%M Tool Sample	0.000

Total Length: 440.00 ft Total Volume: 5.229 bbl

Num Fluid Samples: 0

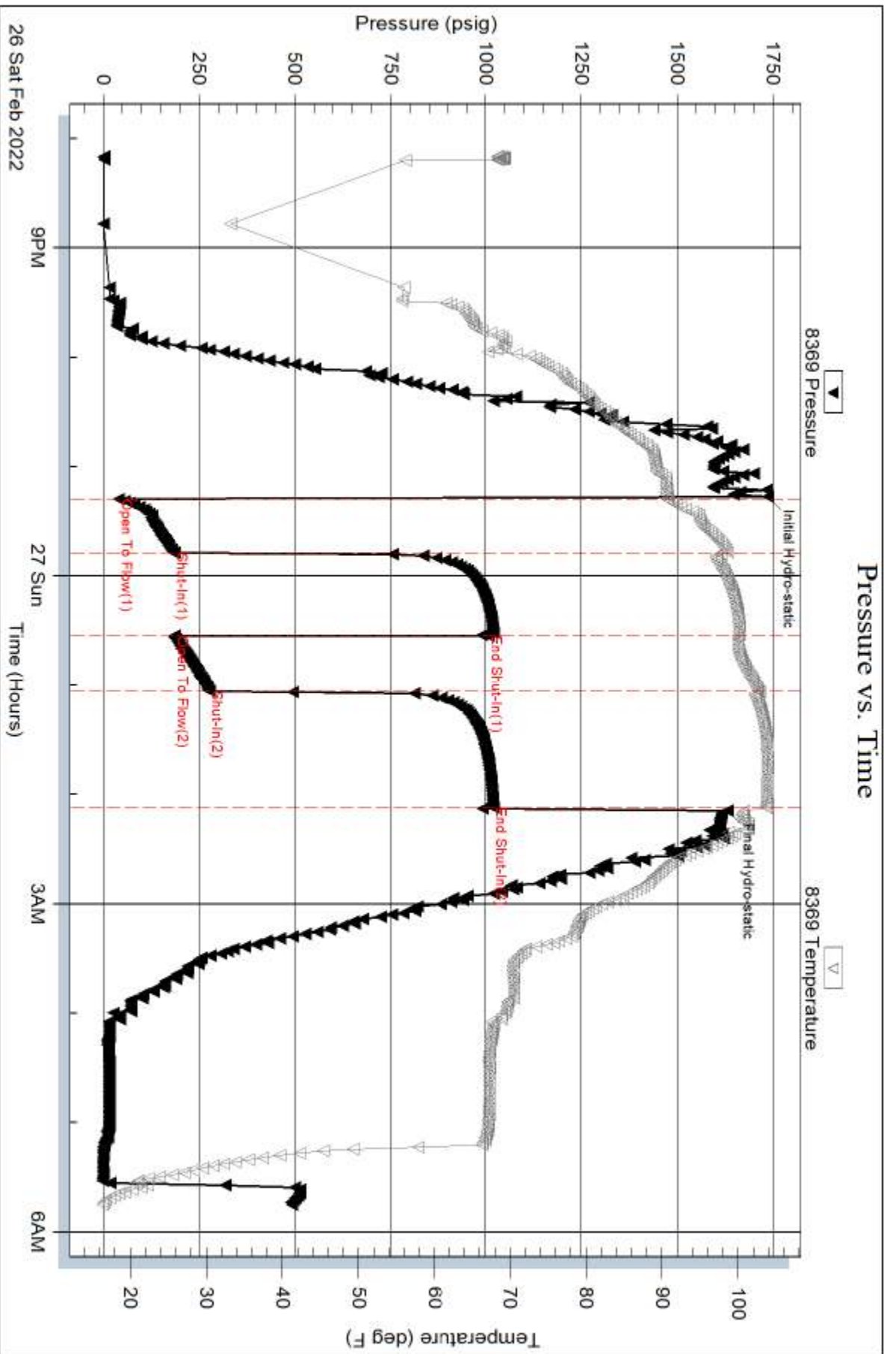
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



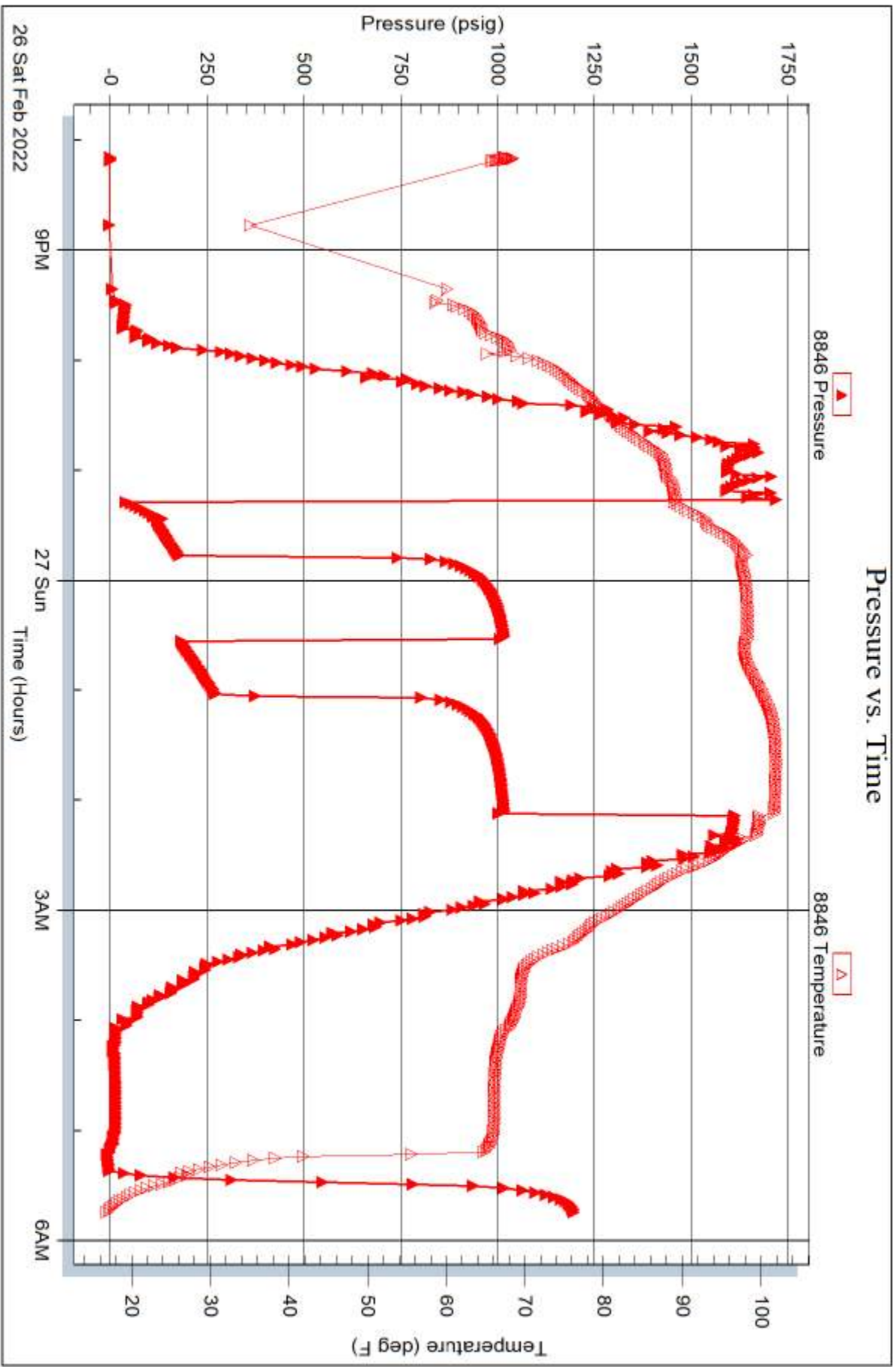
Serial #: 8846

Inside

Darrah Oil Company

Gaunt Unit 2-29

DST Test Number: 2





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Darrah Oil Company
125 N Market Suite 1425
Wichita, Ks. 67202
ATTN: Seth Evenson

29 20S 13W
Gaunt Unit 2-29
Job Ticket: 67616 **DST#: 3**
Test Start: 2022.02.27 @ 22:01:16

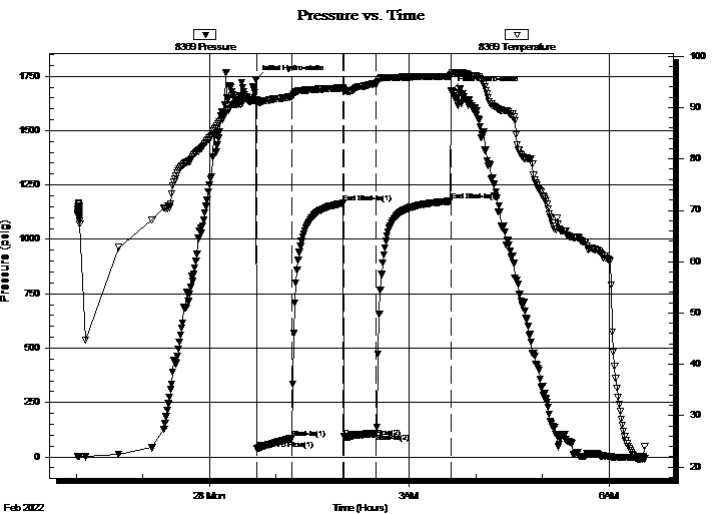
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:42:56
Time Test Ended: 06:32:36
Interval: **3482.00 ft (KB) To 3569.00 ft (KB) (TVD)**
Total Depth: 3569.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Eric Burgess
Unit No: 80
Reference Elevations: 1902.00 ft (KB)
1891.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8369

Press@RunDepth: 107.53 psig @ ft (KB) Capacity: 8000.00 psig
Start Date: 2022.02.27 End Date: 2022.02.28 Last Calib.: 1899.12.30
Start Time: 22:01:17 End Time: 06:32:36 Time On Btm: 2022.02.28 @ 00:41:56
Time Off Btm: 2022.02.28 @ 03:37:55

TEST COMMENT: IF:Fair Blow Built to 7.88" (30)
IS:Weak Surface Blow Back .23" (45)
FF:Fair Building Blow Built 6.96" (30)
FS:Weak Surface Blow Back built to .95" (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1735.20	91.46	Initial Hydro-static
1	36.59	91.10	Open To Flow (1)
32	85.59	92.16	Shut-In(1)
79	1165.96	93.84	End Shut-In(1)
79	91.91	93.44	Open To Flow (2)
109	107.53	94.73	Shut-In(2)
176	1175.94	96.13	End Shut-In(2)
176	1683.52	96.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	TS OCM 40% O 60% M	0.00
90.00	OCM 35% O 65% M	0.69
75.00	O 100% O	0.69

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil Company
125 N Market Suite 1425
Wichita, Ks. 67202
ATTN: Seth Evenson

29 20S 13W

Gaunt Unit 2-29

Job Ticket: 67616

DST#: 3

Test Start: 2022.02.27 @ 22:01:16

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:42:56

Time Test Ended: 06:32:36

Interval: **3482.00 ft (KB) To 3569.00 ft (KB) (TVD)**

Total Depth: 3569.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Reference Elevations: 1902.00 ft (KB)

1891.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8846

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.02.27

End Date:

2022.02.28

Start Time: 22:01:57

End Time:

06:34:15

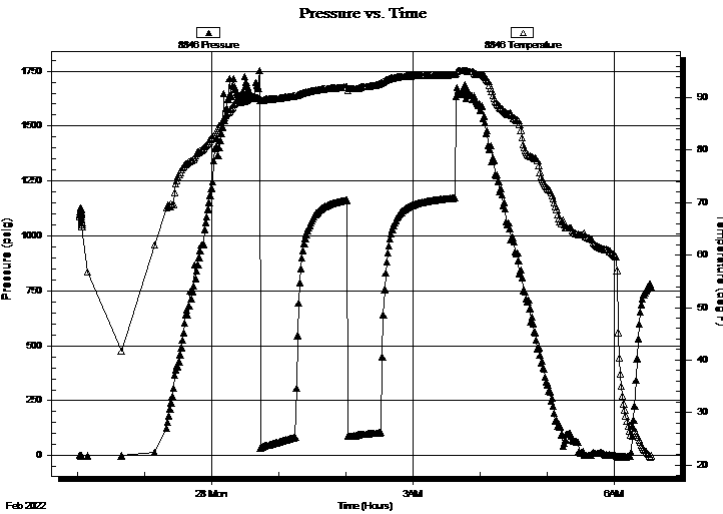
Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Fair Blow Built to 7.88" (30)
IS:Weak Surface Blow Back .23" (45)
FF:Fair Building Blow Built 6.96" (30)
FS:Weak Surface Blow Back built to .95" (60)



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	TS OCM 40% O 60% M	0.00
90.00	OCM 35% O 65% M	0.69
75.00	O 100% O	0.69

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

29 20S 13W

125 N Market Suite 1425
Wichita, Ks. 67202

Gaunt Unit 2-29

Job Ticket: 67616

DST#: 3

ATTN: Seth Evenson

Test Start: 2022.02.27 @ 22:01:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	TS OCM 40%O 60%M	0.000
90.00	OCM 35%O 65%M	0.685
75.00	O 100%O	0.687

Total Length: 165.00 ft

Total Volume: 1.372 bbl

Num Fluid Samples: 0

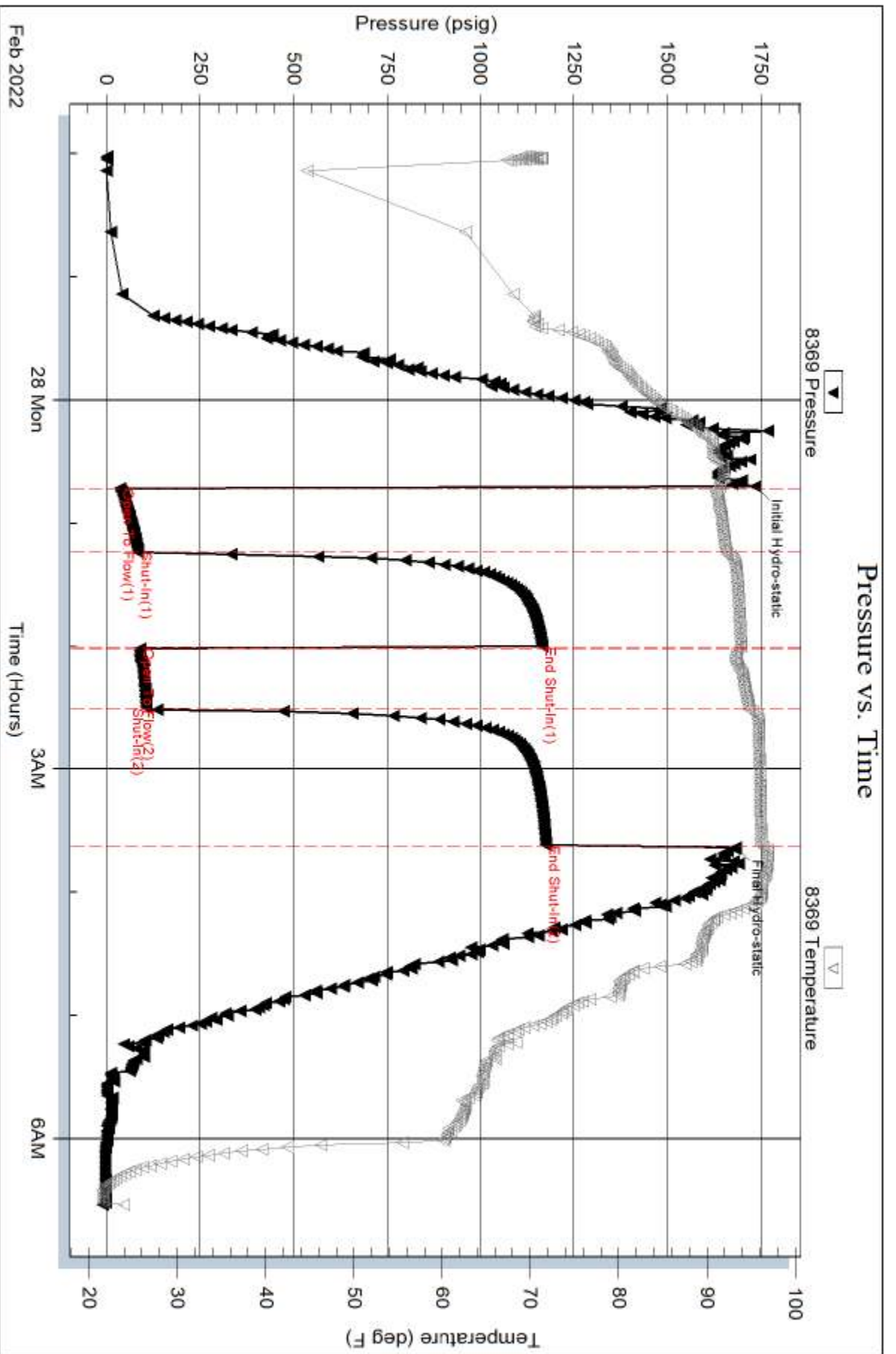
Num Gas Bombs: 0

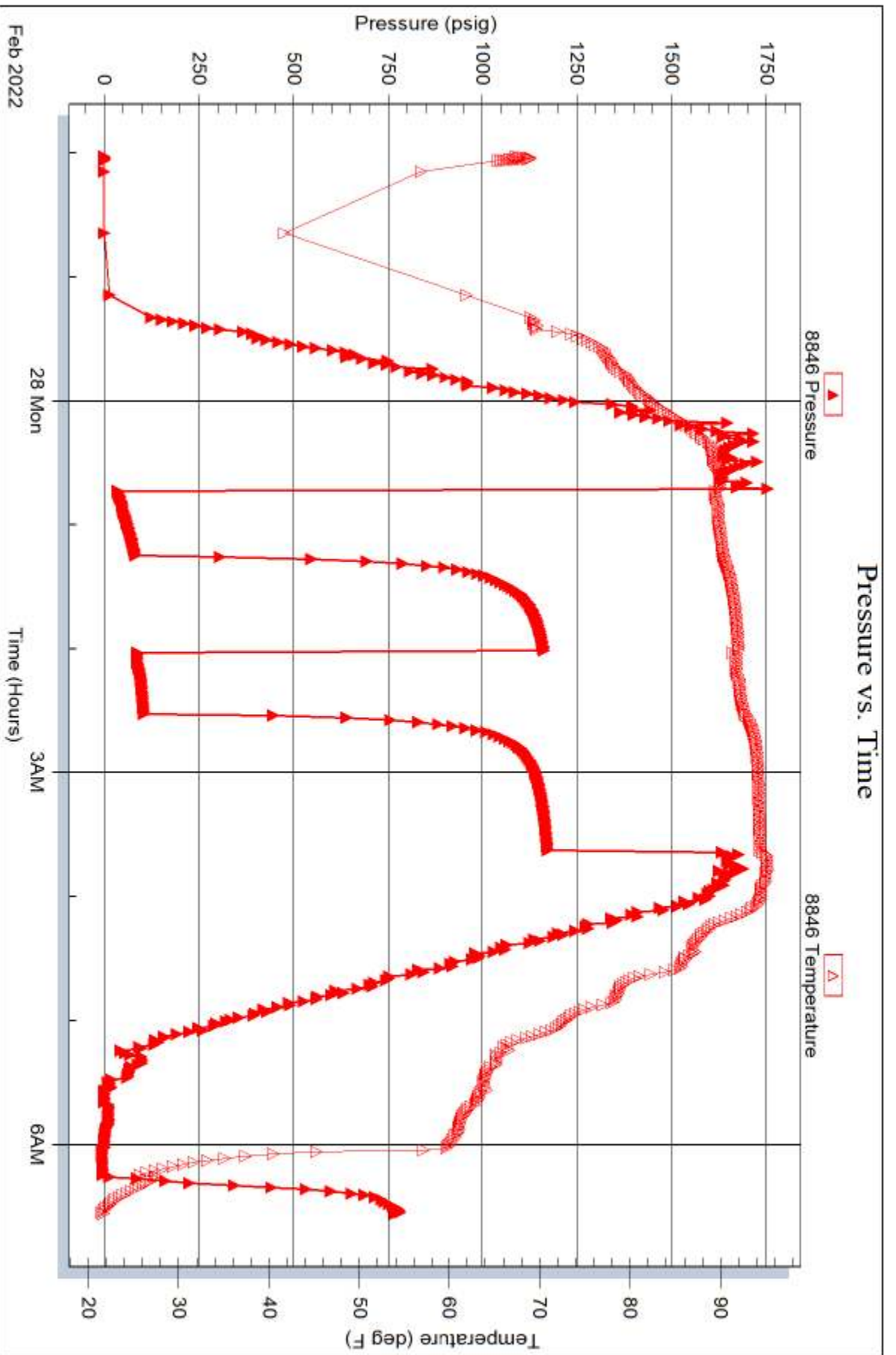
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Darrah Oil Company
125 N Market Suite 1425
Wichita, Ks. 67202
ATTN: Seth Evenson

29 20S 13W
Gaunt Unit 2-29
Job Ticket: 67614 **DST#: 1**
Test Start: 2022.02.25 @ 15:09:24

GENERAL INFORMATION:

Formation: **Lansing A-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:20:24
Time Test Ended: 00:49:13
Interval: **3296.00 ft (KB) To 3357.00 ft (KB) (TVD)**
Total Depth: 3357.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Eric Burgess
Unit No: 80
Reference Elevations: 1902.00 ft (KB)
1891.00 ft (CF)
KB to GR/CF: 11.00 ft

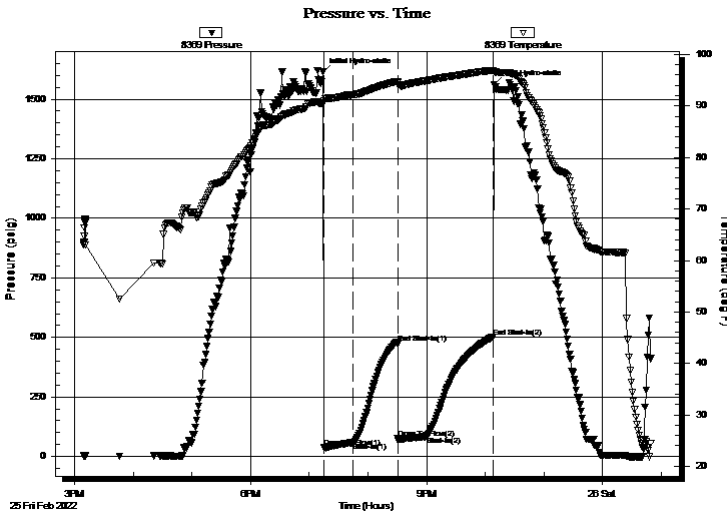
Serial #: 8369

Inside

Press@RunDepth: 83.93 psig @ 3297.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.02.25 End Date: 2022.02.26 Last Calib.: 1899.12.30
Start Time: 15:09:25 End Time: 00:49:13 Time On Btm: 2022.02.25 @ 19:14:14
Time Off Btm: 2022.02.25 @ 22:09:14

TEST COMMENT: IF:Fair Building Blow built to 12.33" (30)
IS:No Blow Back (45)
FF:Weak Building Blow built to 5.71" (30)
FS:No Blow Back (60)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.44	90.65	Initial Hydro-static
2	37.13	90.95	Open To Flow (1)
31	58.60	92.17	Shut-In(1)
77	474.43	94.78	End Shut-In(1)
77	74.96	94.61	Open To Flow (2)
106	83.93	94.92	Shut-In(2)
174	501.15	96.91	End Shut-In(2)
176	1560.63	96.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOSM 95%M 5%G <1%O	0.46
60.00	OWCM 65%M 25%W 10%O	0.46
0.00	TS OWCM 90%M 5%W 5%O	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Darrah Oil Company
 125 N Market Suite 1425
 Wichita, Ks. 67202
 ATTN: Seth Evenson

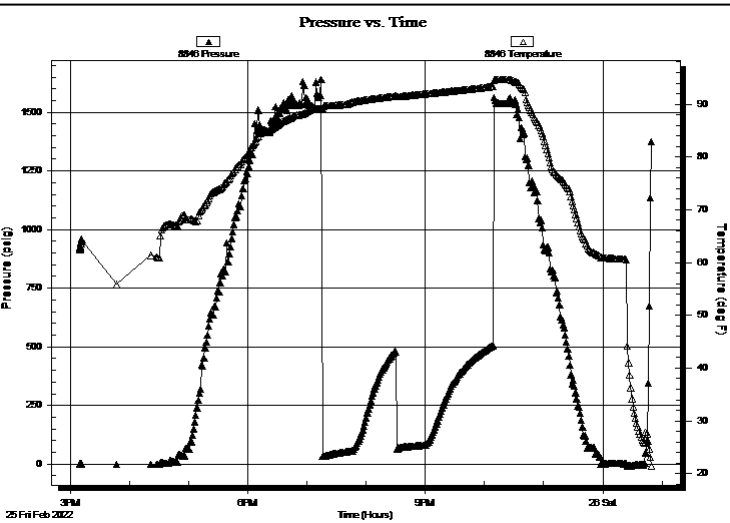
29 20S 13W
Gaunt Unit 2-29
 Job Ticket: 67614 **DST#: 1**
 Test Start: 2022.02.25 @ 15:09:24

GENERAL INFORMATION:

Formation:	Lansing A-F		Test Type:	Conventional Bottom Hole (Initial)
Deviated:	No Whipstock:	ft (KB)	Tester:	Eric Burgess
Time Tool Opened:	19:20:24		Unit No:	80
Time Test Ended:	00:49:13		Reference Elevations:	1902.00 ft (KB)
Interval:	3296.00 ft (KB) To 3357.00 ft (KB) (TVD)			1891.00 ft (CF)
Total Depth:	3357.00 ft (KB) (TVD)		KB to GR/CF:	11.00 ft
Hole Diameter:	7.88 inches Hole Condition: Fair			

Serial #: 8846	Inside			
Press@RunDepth:	psig @	3297.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2022.02.25	End Date:	2022.02.26	Last Calib.:
Start Time:	15:09:46	End Time:	00:49:45	Time On Btm:
				Time Off Btm:

TEST COMMENT: IF:Fair Building Blow built to 12.33" (30)
 IS:No Blow Back (45)
 FF:Weak Building Blow built to 5.71" (30)
 FS:No Blow Back (60)



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	GOSM 95%M 5%G <1%O	0.46
60.00	OWCM 65%M 25%W 10%O	0.46
0.00	TS OWCM 90%M 5%W 5%O	0.00

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

29 20S 13W

125 N Market Suite 1425
Wichita, Ks. 67202

Gaunt Unit 2-29

Job Ticket: 67614

DST#: 1

ATTN: Seth Evenson

Test Start: 2022.02.25 @ 15:09:24

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:

25000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GOSM 95%M 5%G <1%O	0.457
60.00	OWCM 65%M 25%W 10%O	0.457
0.00	TS OWCM 90%M 5%W 5%O	0.000

Total Length: 120.00 ft

Total Volume: 0.914 bbl

Num Fluid Samples: 0

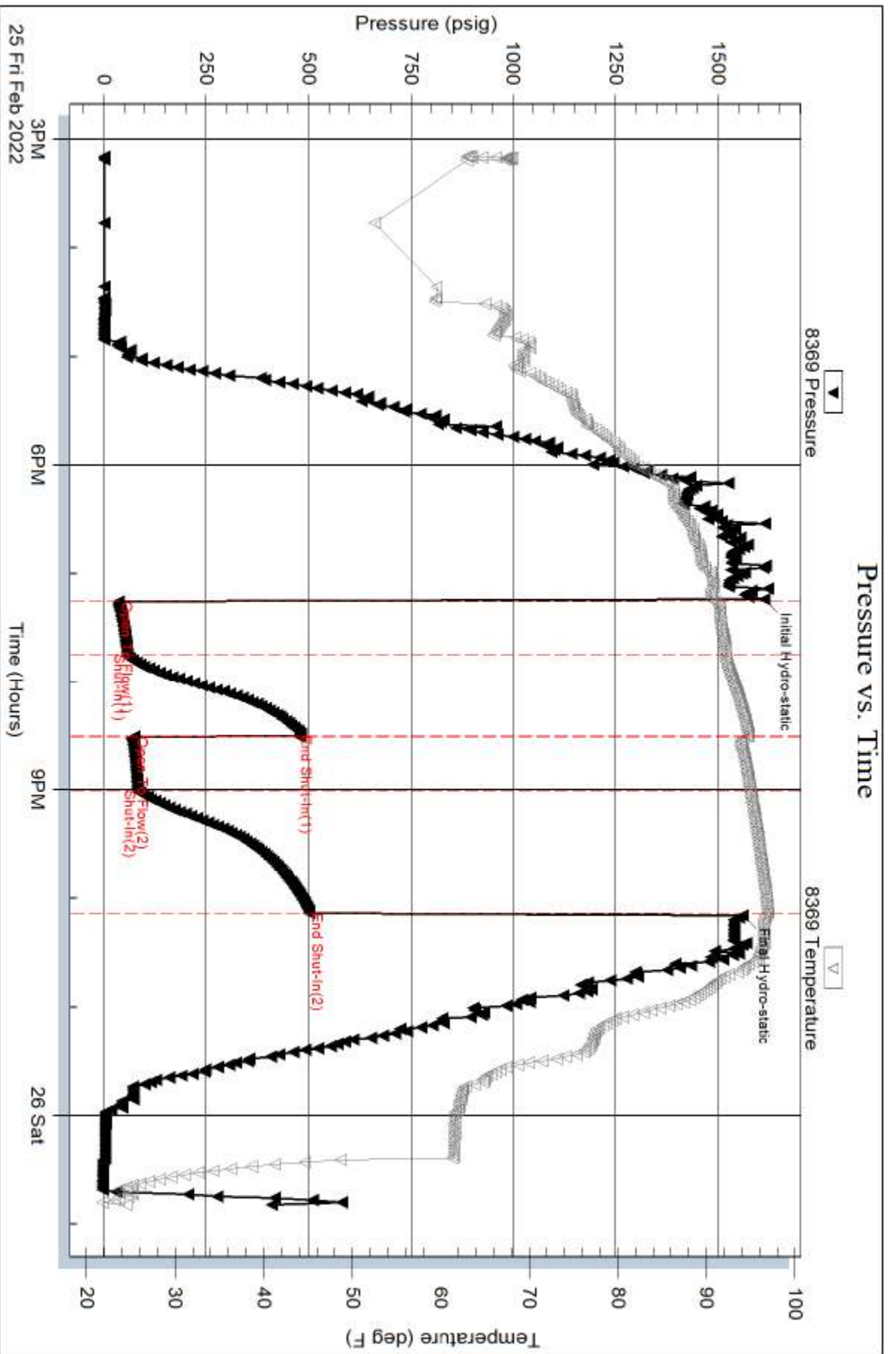
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



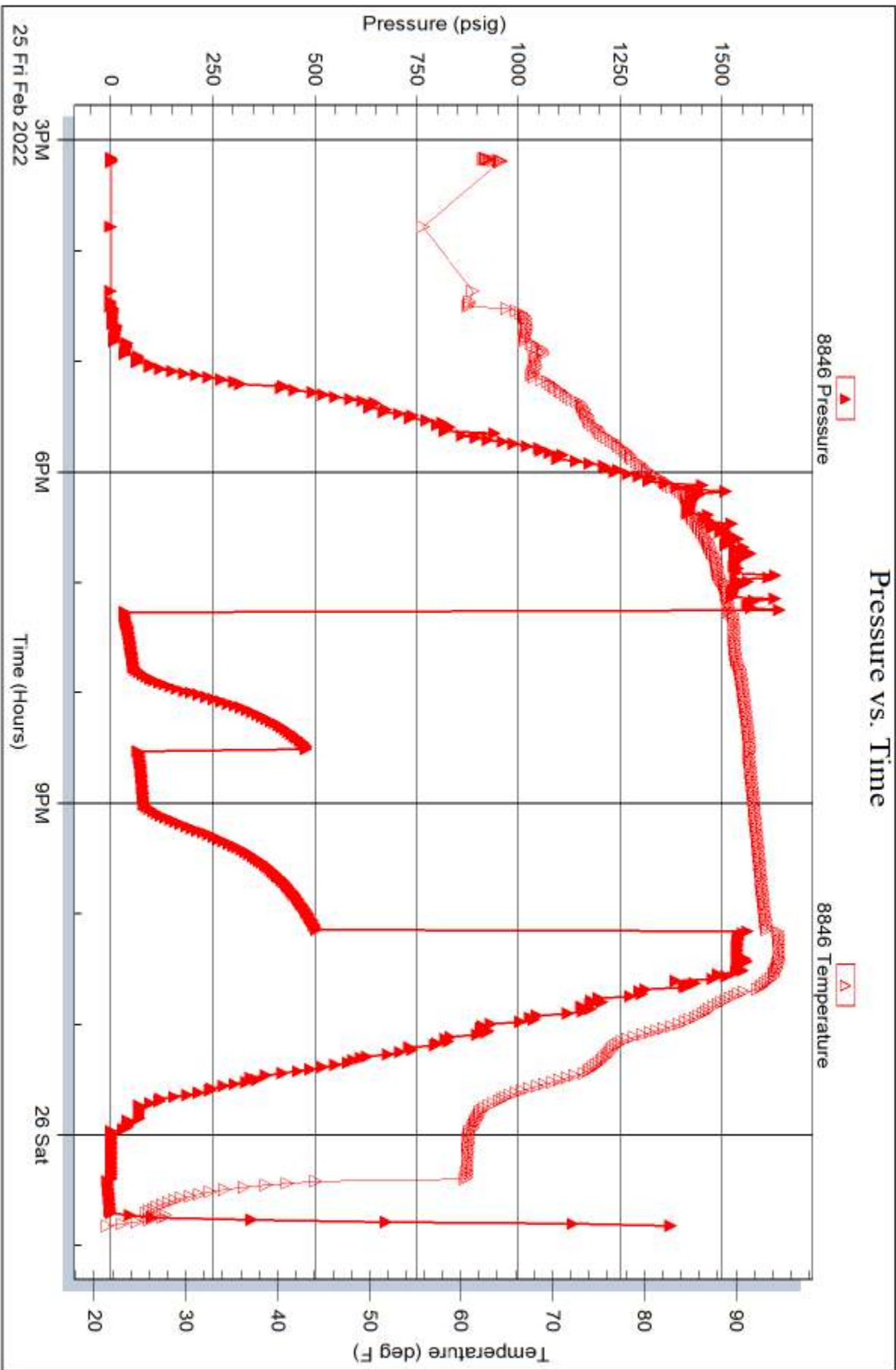
Serial #: 8846

Inside

Darrah Oil Company

Gaunt Unit 2-29

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company
 125 N Market Suite 1425
 Wichita, Ks. 67202
 ATTN: Seth Evenson

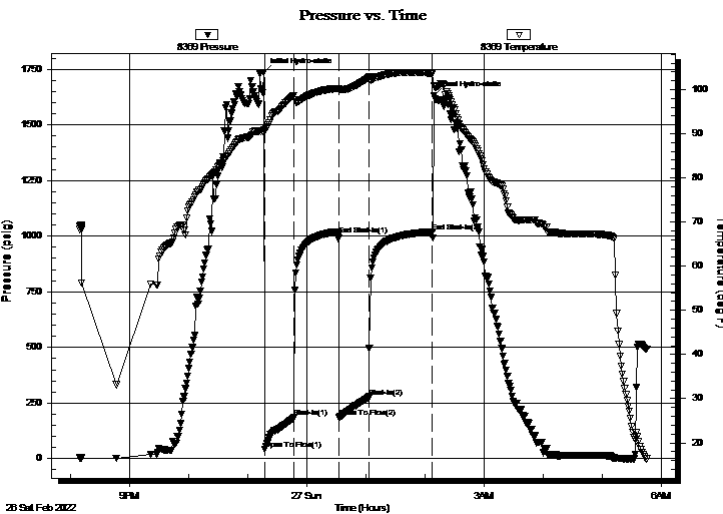
29 20S 13W
Gaunt Unit 2-29
 Job Ticket: 67615 **DST#: 2**
 Test Start: 2022.02.26 @ 20:09:43

GENERAL INFORMATION:

Formation: **Lansing KC H-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:17:23
 Time Test Ended: 05:45:43
 Interval: **3395.00 ft (KB) To 3524.00 ft (KB) (TVD)**
 Total Depth: 3524.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Eric Burgess
 Unit No: 80
 Reference Elevations: 1902.00 ft (KB)
 1891.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8369 **Inside**
 Press@RunDepth: 277.57 psig @ 3396.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.02.26 End Date: 2022.02.27 Last Calib.: 2022.02.26
 Start Time: 20:09:44 End Time: 05:45:43 Time On Btm: 2022.02.26 @ 23:16:13
 Time Off Btm: 2022.02.27 @ 02:08:52

TEST COMMENT: IF:Weak Building Blow built to 9.33" (30)
 IS:No Blow Back (45)
 FF:Weak Building Blow built to 8.28" (30)
 FS:No Blow Back (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.00	90.79	Initial Hydro-static
2	40.61	90.66	Open To Flow (1)
31	185.49	98.70	Shut-In(1)
77	1007.47	100.21	End Shut-In(1)
77	186.52	99.94	Open To Flow (2)
108	277.57	102.69	Shut-In(2)
172	1020.22	103.70	End Shut-In(2)
173	1630.89	100.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
320.00	OSMCW >1%O 85%W 15%M	3.55
120.00	OSMCW >1%O 75%W 25%M	1.68
0.00	OSMCW >1%O 95%W 5%M Tool Sample	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Darrah Oil Company
125 N Market Suite 1425
Wichita, Ks. 67202
ATTN: Seth Evenson

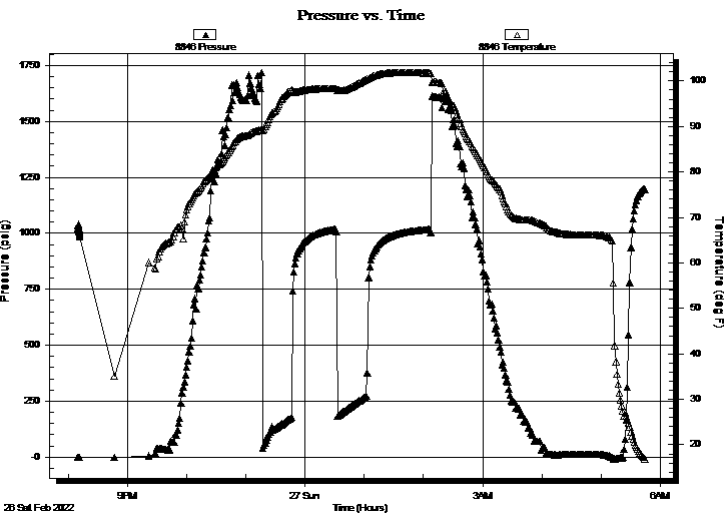
29 20S 13W
Gaunt Unit 2-29
Job Ticket: 67615 **DST#: 2**
Test Start: 2022.02.26 @ 20:09:43

GENERAL INFORMATION:

Formation: **Lansing KC H-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:17:23
 Time Test Ended: 05:45:43
 Interval: **3395.00 ft (KB) To 3524.00 ft (KB) (TVD)**
 Total Depth: 3524.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Eric Burgess
 Unit No: 80
 Reference Elevations: 1902.00 ft (KB)
 1891.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8846 **Inside**
 Press@RunDepth: psig @ 3396.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.02.26 End Date: 2022.02.27 Last Calib.: 1899.12.30
 Start Time: 20:09:18 End Time: 05:45:17 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:Weak Building Blow built to 9.33" (30)
 IS:No Blow Back (45)
 FF:Weak Building Blow built to 8.28" (30)
 FS:No Blow Back (60)



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
320.00	OSMCW >1%O 85%W 15%M	3.55
120.00	OSMCW >1%O 75%W 25%M	1.68
0.00	OSMCW >1%O 95%W 5%M Tool Sample	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

Darrah Oil Company

29 20S 13W

125 N Market Suite 1425
Wichita, Ks. 67202

Gaunt Unit 2-29

Job Ticket: 67615

DST#: 2

ATTN: Seth Evenson

Test Start: 2022.02.26 @ 20:09:43

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:

42000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
320.00	OSMCW >1%O 85%W 15%M	3.546
120.00	OSMCW >1%O 75%W 25%M	1.683
0.00	OSMCW >1%O 95%W 5%M Tool Sample	0.000

Total Length: 440.00 ft

Total Volume: 5.229 bbl

Num Fluid Samples: 0

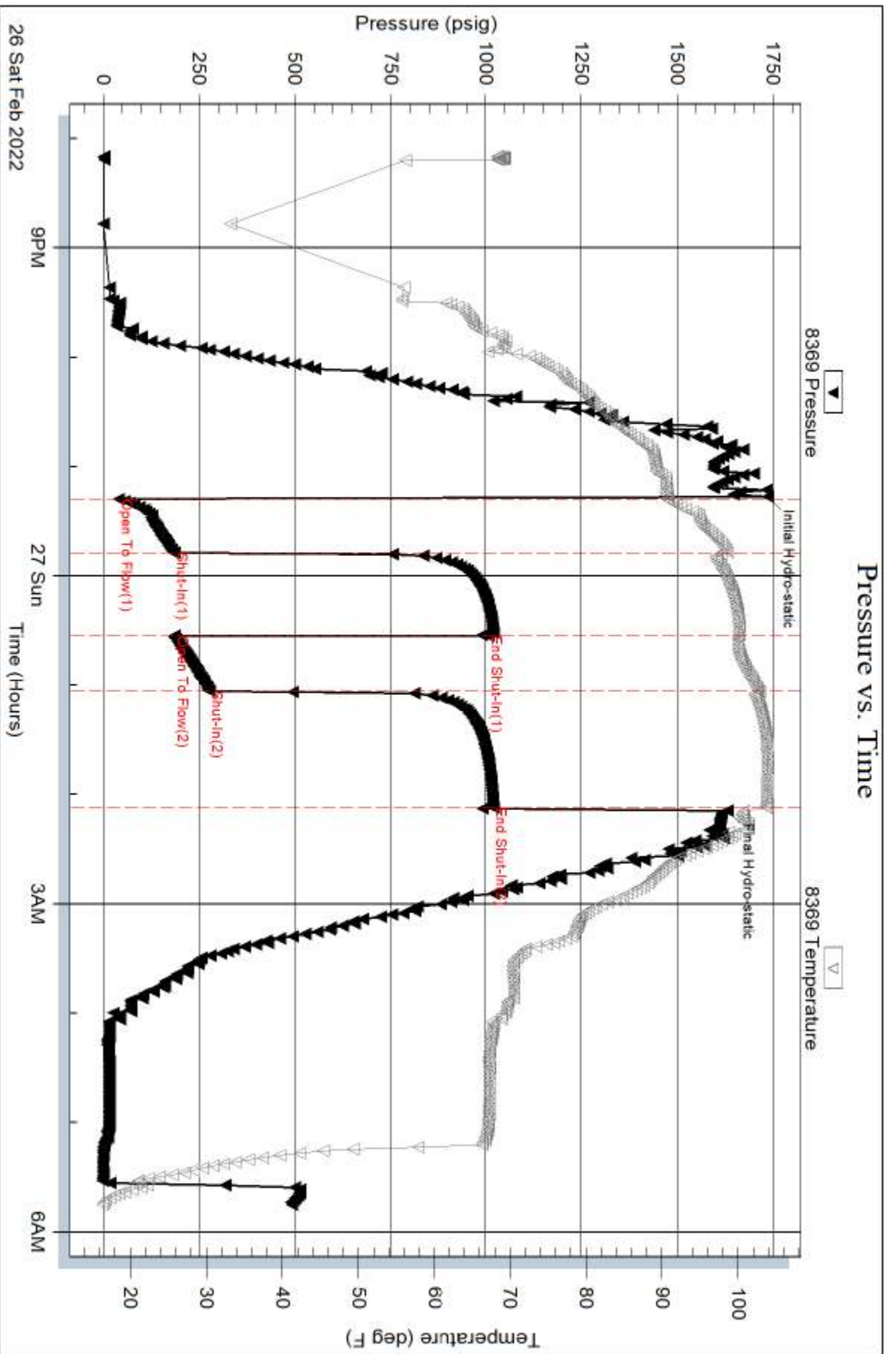
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



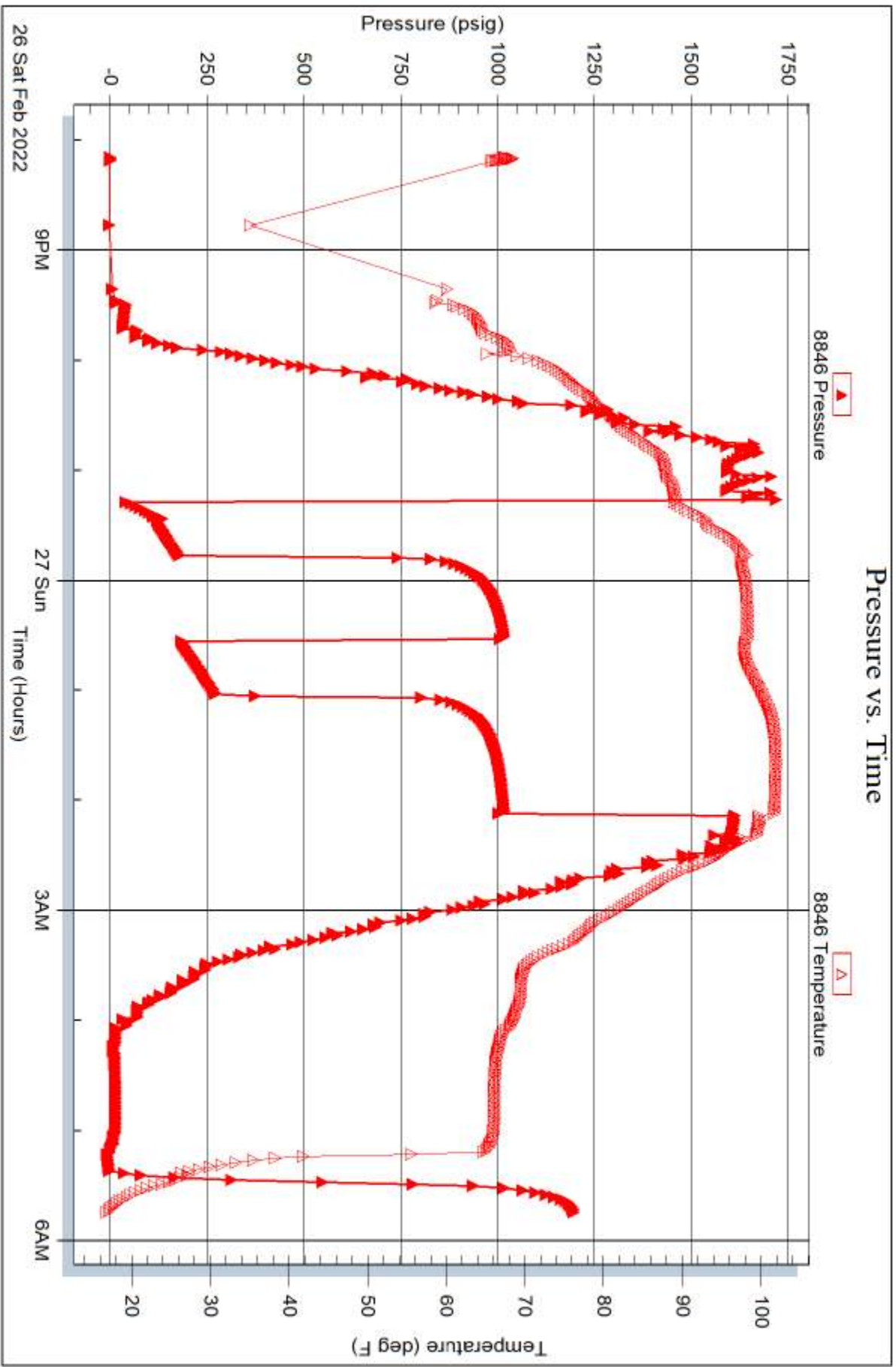
Serial #: 8846

Inside

Darrah Oil Company

Gaunt Unit 2-29

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67615

Printed: 2022.02.27 @ 07:28:34



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Darrah Oil Company
125 N Market Suite 1425
Wichita, Ks. 67202
ATTN: Seth Evenson

29 20S 13W
Gaunt Unit 2-29
Job Ticket: 67616 **DST#: 3**
Test Start: 2022.02.27 @ 22:01:16

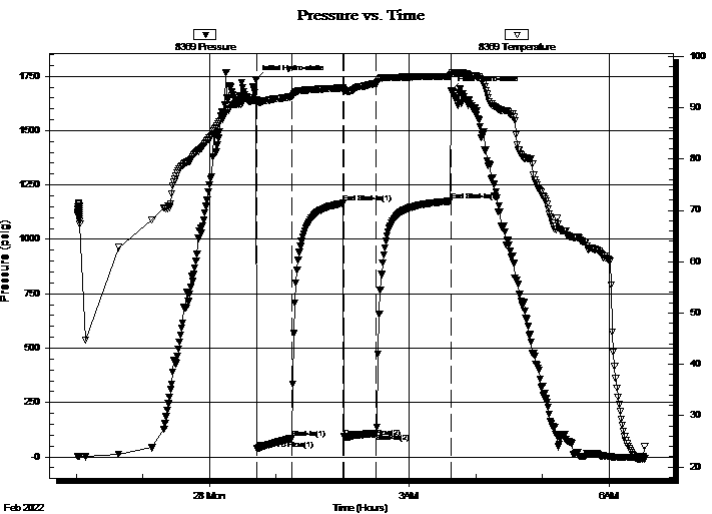
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:42:56
Time Test Ended: 06:32:36
Interval: **3482.00 ft (KB) To 3569.00 ft (KB) (TVD)**
Total Depth: 3569.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Eric Burgess
Unit No: 80
Reference Elevations: 1902.00 ft (KB)
1891.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8369

Press@RunDepth: 107.53 psig @ ft (KB) Capacity: 8000.00 psig
Start Date: 2022.02.27 End Date: 2022.02.28 Last Calib.: 1899.12.30
Start Time: 22:01:16 End Time: 06:32:36 Time On Btm: 2022.02.28 @ 00:41:56
Time Off Btm: 2022.02.28 @ 03:37:55

TEST COMMENT: IF:Fair Blow Built to 7.88" (30)
IS:Weak Surface Blow Back .23" (45)
FF:Fair Building Blow Built 6.96" (30)
FS:Weak Surface Blow Back built to .95" (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1735.20	91.46	Initial Hydro-static
1	36.59	91.10	Open To Flow (1)
32	85.59	92.16	Shut-In(1)
79	1165.96	93.84	End Shut-In(1)
79	91.91	93.44	Open To Flow (2)
109	107.53	94.73	Shut-In(2)
176	1175.94	96.13	End Shut-In(2)
176	1683.52	96.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	OCM 40% O 60% M	0.00
90.00	OCM 35% O 65% M	0.69
75.00	O 100% O	0.69

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

29 20S 13W

125 N Market Suite 1425
Wichita, Ks. 67202

Gaunt Unit 2-29

Job Ticket: 67616

DST#: 3

ATTN: Seth Evenson

Test Start: 2022.02.27 @ 22:01:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	OCM 40%O 60%M	0.000
90.00	OCM 35%O 65%M	0.685
75.00	O 100%O	0.687

Total Length: 165.00 ft

Total Volume: 1.372 bbl

Num Fluid Samples: 0

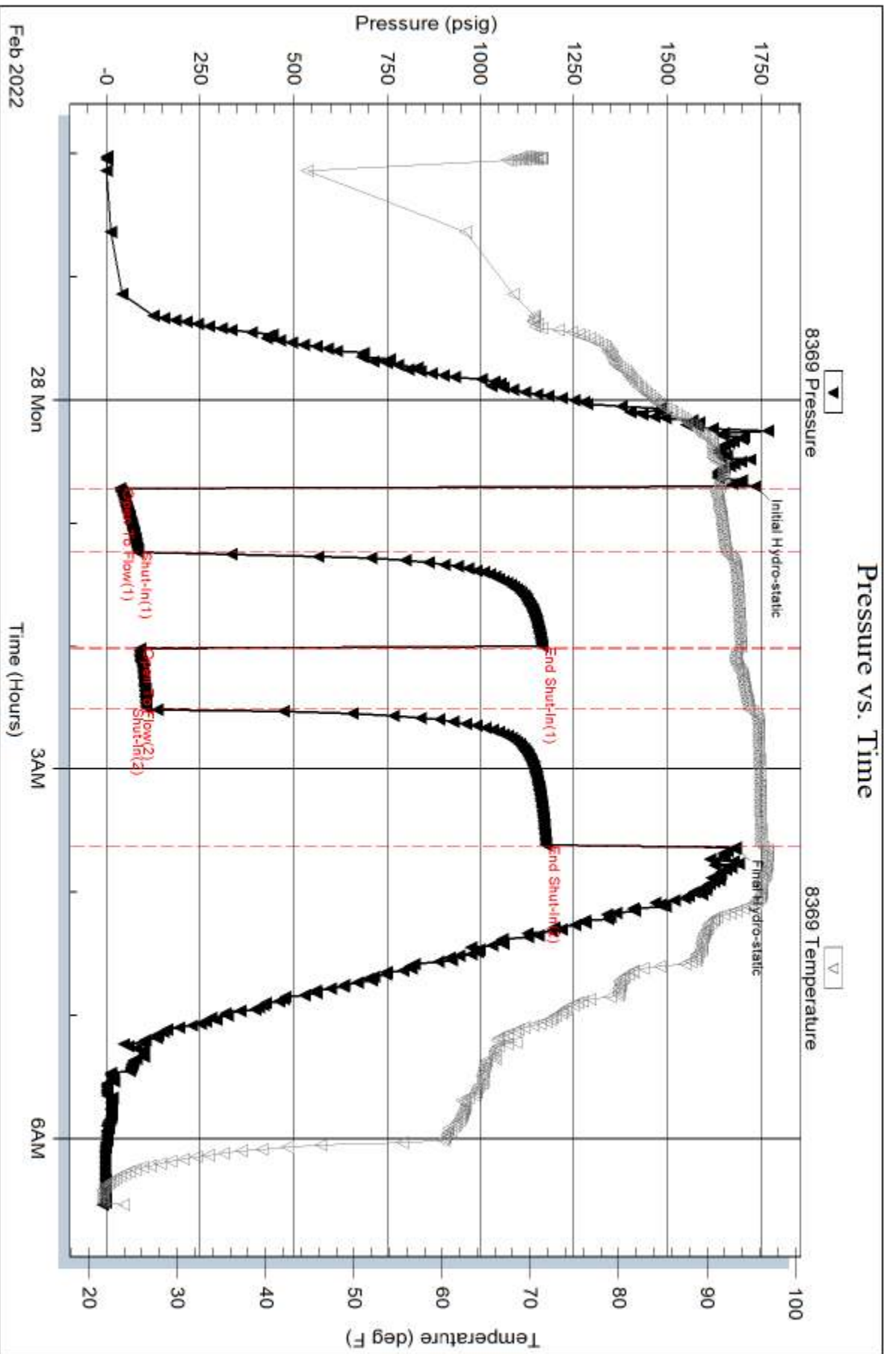
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





Customer	DARRAH OIL COMPANY		Lease & Well #	GAUNT UNIT 2-29		Date	3/1/2022	
Service District	PRATT		County & State	BARTON KS		Legals S/T/R	29-20S-13W	
Job Type	LONGSTRING	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No	Ticket #
								WP2462

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures					
912	MATTAL	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging		
179/521	BROCKMAN	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection		
182/256	WHITFIELD	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations		
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations		
		<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below			

Comments	

Product/ Service - Code	Description	Unit of Measure	Quantity	Net Amount
CP030	H-Long	sack	150.00	\$3,864.00
CP055	H-Plug	sack	50.00	\$598.00
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$345.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$322.00
FE135	5 1/2" Turbolizer	ea	5.00	\$575.00
FE130	5 1/2" Cement Basket	ea	1.00	\$276.00
CP170	Mud Flush	gal	500.00	\$460.00
AF056	Liquid KCL Substitute 2	gal	1.00	\$18.40
M015	Light Equipment Mileage	mi	50.00	\$92.00
M010	Heavy Equipment Mileage	mi	100.00	\$368.00
M020	Ton Mileage	tm	458.00	\$632.04
C060	Cement Blending & Mixing Service	sack	200.00	\$257.60
D014	Depth Charge: 3001'-4000'	job	1.00	\$2,070.00
C050	Cement Plug Container	job	1.00	\$230.00
C035	Cement Data Acquisition	job	1.00	\$230.00
R061	Service Supervisor	day	1.00	\$275.00
Z	#N/A	#N/A	#N/A	

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Net:	\$10,613.04
------	-------------

Based on this job, how likely is it you would recommend HSI to a colleague?

1 2 3 4 5 6 7 8 9 10 *Extremely Likely*

Unlikely

Total Taxable	\$ -	Tax Rate:	
Sale Tax:	\$ -	Total:	\$ 10,613.04

State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.

HSI Representative: *Mike Mattal*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 3/4% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

x *Roger Martin* **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT

Customer:	DARRAH OIL COMPANY	Well:	GAUNT UNIT 2-29	Ticket:	WP2462
City, State:	GREAT BEND KS	County:	BARTON KS	Date:	3/1/2022
Field Rep:	ROGER MARTIN	S-T-R:	29-20S-13W	Service:	LONGSTRING

Downhole Information	
Hole Size:	in
Hole Depth:	3569 ft
Casing Size:	5 1/2 in
Casing Depth:	3564 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	83.4 bbls

Calculated Slurry - Lead	
Blend:	H-LONG
Weight:	15.0 ppg
Water / Sx:	6.0 gal / sx
Yield:	1.42 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	38.0 bbls
Total Sacks:	150 sx

Calculated Slurry - Tail	
Blend:	H-PLUG
Weight:	13.78 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	12.0 bbls
Total Sacks:	50 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
2:45 AM			-	-	ON LOCATION
2:55 AM				-	RUN 5 1/2 15.5# CASING 29.66 SHOE JOINT BASKET ON TOP OF #4 TURBOS ON 4,6,9,14,20
5:33 AM				-	CASING ON BOTTOM
5:52 AM				-	HOOK TO CASING, BREAK CIRCULATION WITH RIG
7:00 AM	4.0	170.0	3.0	3.0	PUMP 5 BBL WATER
7:02 AM	4.0	170.0	12.0	15.0	PUMP 12 BBL MUD FLUSH
7:05 AM	5.0	230.0	20.0	35.0	PUMP 20 BBL KCL WATER
7:10 AM	5.3	300.0	38.0	73.0	MIX 150 SKS H-LONG
7:23 AM	3.0	25.0	4.0	77.0	WASH PUMP AND LINE, DROP PLUG
7:30 AM	5.0	120.0		77.0	START DISPLACEMENT
7:43 AM	5.0	190.0	65.0	142.0	LIFT PRESSURE
7:46 AM	3.5	440.0	80.0	222.0	SLOW RATE
7:48 AM		1,500.0	83.4	305.4	PLUG DOW
8:00 AM	1.0	25.0	7.0	312.4	MIX 30 SKS H-PLUG FOR RAT HOLE
8:10 AM	1.0	25.0	5.0	317.4	MIX 20 SKS H-PLUG FOR MOUSE HOLE
				-	
				-	
				-	
				-	
				-	
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL
				-	BRETT & BRIAN
				-	
				-	
				-	

CREW		UNIT	SUMMARY		
Cementer:	MATTAL	912	Average Rate	Average Pressure	Total Fluid
Pump Operator:	BROCKMAN	179/521	3.7 bpm	290 psi	317 bbls
Bulk #1:	WHITFIELD	182/256			
Bulk #2:					



Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 DARRAH OIL
 C/O JOHN JAY DARRAH JR
 PO BOX 2786
 WICHITA, KS 67201-2786

Invoice Date: 2/21/2022
 Invoice #: 0358891
 Lease Name: Gaunt Unit
 Well #: 2-29 (New)
 County: Barton, Ks
 Job Number: WP2442
 District: Pratt

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Cement Pozmix 60/40	475.000	11.960	5,681.00
Calcium Chloride	1,227.000	0.690	846.63
Cello Flake	119.000	1.610	191.59
Wooden plug 8 5/8"	1.000	138.000	138.00
Light Eq Mileage	50.000	1.840	92.00
Heavy Eq Mileage	100.000	3.680	368.00
Ton Mileage	1,023.000	1.380	1,411.74
Cement Blending & Mixing	475.000	1.288	611.80
Cement Plug Container	1.000	230.000	230.00
Depth Charge 0'-500'	1.000	920.000	920.00
Cement Data Acquisition	1.000	230.000	230.00
Service Supervisor	1.000	253.000	253.00

Total 10,973.76

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!




Customer	DARRAH OIL COMPANY		Lease & Well #	GAUNT UNIT2-29		Date	2/21/2022
Service District	PRATT, KS.		County & State	BARTON, KS.	Legals S/T/R	29-20S-13W	Job #
Job Type	SURFACE	<input type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?	<input type="checkbox"/> YES	<input type="checkbox"/> No
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures					
25	LESLEY	<input type="checkbox"/> Hard hat	<input type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging		
179-521	BROCKMAN	<input type="checkbox"/> H2S Monitor	<input type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection		
181-533	WHITFIELD	<input type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations		
		<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations		
		<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below			
Comments							
8 5/8" X 32# SURFACE PIPE							

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP070	60/40/2 Pozmix	sack	475.00	\$5,681.00
CP100	Calcium Chloride	lb	1,227.00	\$846.63
CP120	Cello-flake	lb	119.00	\$191.59
FE290	8 5/8" Wooden Plug	ea	1.00	\$138.00
M015	Light Equipment Mileage	mi	50.00	\$92.00
M010	Heavy Equipment Mileage	mi	100.00	\$368.00
M020	Ton Mileage	tm	1,023.00	\$1,411.74
C060	Cement Blending & Mixing Service	sack	475.00	\$611.80
C050	Cement Plug Container	job	1.00	\$230.00
D010	Depth Charge: 0'-500'	job	1.00	\$920.00
C035	Cement Data Acquisition	job	1.00	\$230.00
R061	Service Supervisor	day	1.00	\$253.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?				Net:	\$10,973.76
Based on this job, how likely is it you would recommend HSI to a colleague?				Total Taxable	\$ -
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tax Rate:	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sale Tax:	\$ -
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Total:	\$ 10,973.76
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HSI Representative: <i>Kevin Lesley</i>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

x 

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer:	DARRAH OIL COMPANY	Well:	GAUNT UNIT2-29	Ticket:	WP 2442
City, State:		County:	BARTON, KS.	Date:	2/21/2022
Field Rep:	Jesus Vargas	S-T-R:	29-20S-13W	Service:	SURFACE

Downhole Information	
181-533	12 1/4 in
Hole Depth:	322 ft
Casing Size:	8 5/8 in 32#
Casing Depth:	322 ft
Tubing / Liner:	in
Plug Depth:	302 ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	18.5 bbls

Calculated Slurry - Lead	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

Calculated Slurry - Tail	
Blend:	60/40/2 pozmix
Weight:	14.8 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.21 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	102.3 bbls
Total Sacks:	475 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
4:30PM			-	-	ON LOCATION- SPOT EQUIPMENT
5:45PM				-	RUN 8 JTS. 8 5/8" X 32# CASING
6:45PM				-	CASING ON BOTTOM
7:00PM				-	HOOK UP TO CASING - BREAK CIRCULATION
7:20PM	5.0	300.0	5.0	5.0	H2o AHEAD
7:25PM	5.0	200.0	102.3	107.3	MIX 475 SKS 60/40/2 POZMIX @ 14.8 PPG
7:50PM				107.3	SHUT DOWN- DROP WOODEN PLUG
7:55PM	5.0	100.0	-	107.3	START DISPLACEMENT
7:58PM	4.0	200.0	15.0	122.3	SLOW RATE
8:00PM	3.0	350.0	18.5	140.8	PLUG @ DESIRED DEPTH
				140.8	CIRCULATION THRU JOB
					CIRCULATED 10 BBL TO PIT
8:15PM					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT		SUMMARY		
Cementer:	LESLEY		25	Average Rate	Average Pressure	Total Fluid
Pump Operator:	BROCKMAN		179-521	4.4 bpm	230 psi	141 bbls
Bulk #1:	WHITFIELD		181-533			
Bulk #2:						

DARRAH OIL
GAUNT UNIT 2-29 SURF

