

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 Recompletion Date _____ 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
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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				

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
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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:	
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1075

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-26-18	29	13	21	Trego	KS		8:15 PM
Lease <i>Bengartz-Aurystone</i>				Location <i>Challahs R/S 2E 340 1 1/2 N Rinto</i>		Well No. <i>3</i>	
Contractor <i>Discovery #4</i>				Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job <i>Surface</i>				Charge To <i>Damar Resources</i>			
Hole Size <i>12 1/4</i>		T.D. <i>263</i>		Street			
Csg. <i>8 5/8</i>		Depth <i>262</i>		City			
Tbg. Size		Depth		State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <i>10'</i>		Shoe Joint		Cement Amount Ordered <i>160 8 5/8 3 1/2 2 1/2 4 1/2</i>			
Meas Line		Displace <i>16 BC</i>		Common <i>120</i>			
EQUIPMENT				Poz. Mix <i>50</i>			
Pumptrk <i>17</i>	No.	Cement Helper <i>2</i>		Gel. <i>3</i>			
Bulktrk	No.	Driver <i>Doug</i>		Calcium <i>26</i>			
Bulktrk <i>15</i>	No.	Driver <i>Doug</i>		Hulls			
JOB SERVICES & REMARKS				Salt			
Remarks:				Flowseal			
Rat Hole				Kol-Seal			
Mouse Hole				Mud CLR 48			
Centralizers				CFL-117 or CD110 CAF 38			
Baskets				Sand			
D/V or Port Collar				Handling <i>59</i>			
<i>8 5/8 on bottom Est. Circulation.</i>				Mileage			
<i>Mix Hose & Displace</i>				FLOAT EQUIPMENT			
<i>Cement Circulated!</i>				Guide Shoe			
<i>Thanks</i>				Centralizer			
<i>Quality Oilwell Cementing</i>				Baskets			
<i>Signature</i>				AFU Inserts			
<i>Salv Sanchez</i>				Float Shoe			
				Latch Down			
				Pumptrk Charge <i>Surface</i>			
				Mileage <i>35</i>			
				Tax			
				Discount			
				Total Charge			

JOB LOG

SWIFT Services, Inc.

DATE 12-5-18 PAGE NO.

CUSTOMER Damar Resources

WELL NO. #3

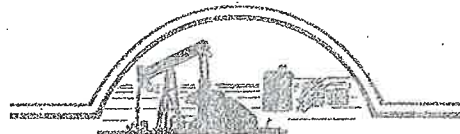
LEASE Banzartz-Augustine

JOB TYPE Long String

TICKET NO. 27433

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	4:30							On location
								Csg - 5 1/2 x 15.5 #
								RTO - 4165 LTD - 4163
								Shoe - 33.90 Baffle @ 4131
								Centralizers - 1, 3, 5, 7, 9, 11, 58
								Basket - 59
								Port Collar - 59 @ 1698
	6:00							Start running Csg
	8:00							Break Circ on Bottom
	9:00	2.5	7			0		Plug rat hole - 3D sks
		2.5	4			0		Plug mousehole - 15 sks
		5.5	12			300		pump mud flush - 500 gal
		5.5	20			300		pump 1/2" spacer
	9:20	5.5	25			200		pump CMT - 105 sks @ 15.5 PM
								Drop Plug - Wash Pal
	9:30	6.5	0 0			150		Start Disp
	9:45	5.5	98 98			800/1500		land plug lift Psi - 800 #
								land Psi - 1500
								Release Psi - Dry
								JOB Complete
								Thanks
								David, Zach & Flint

Randall Kilian Corporation
Geologist



Certified Petroleum
Geologist #3351
License #224

3951 Eveningglow Way
Castle Rock, CO 80104
Phone: 720-733-0420
Cell: 785-635-1349
E-mail: rkgeo53@hotmail.com

GEOLOGIST'S WELL REPORT

COMPANY DAMAR RESOURCES, INC. (9067)
WELL Bongartz-Augustine #3
FIELD Locker North
LOCATION (legal) NW SE SW SW
(footages) 555' ESL & 895' FWL
Section 29 TWP 13S RGE 21W
(Map) 5½ mi S & 1½ mi W of Riga I-70 Exit
COUNTY Trego STATE Kansas
ELEVATION: 2301' K.B., 2293' G.L.
Depths measured from Kelly Bushing
A. P. I. NUMBER 15-195-23077
GEOLOGY BY Randall Kilian

PERTINENT WELL DATA

CONTRACTOR Discovery Drilling (31548)
RIG #4 HYDRAULICS D-375 6x14x60
DRILL PIPE 4½" X-H COLLARS 6½ x 2½ 15 (496')
CASING: SURFACE 8 5/8" @ 263' w/ 160 sx 80/20 Poz
(Galen Gaschler TP)
PRODUCTION 5½" @ 4161' w/ 105 sx EA2
Port collar @ 1707'
DRILLING FLUID. COMPANY Andy's Mud & Chemical, Co.
(Aaron Blew)
TYPE: Chemical & Drispac
REMARKS: Full service (rainy, wet)
DRILL STEM TESTS: COMPANY Trilobite Testing, Inc.
(Brannon Lonsdale)
NUMBER OF TESTS Three (3)
ELECTIC LOGS: COMPANY Precision Energy Services
DETAIL (5") 3550' - RTD
TYPE DI, Comp N-D, Micro
DRILLING TIME FROM 3550' TO RTD
SAMPLE TIME FROM 3550' TO RTD
SUPERVISION FROM 3400' TO RTD
VERTICAL DEVIATION ½° @ 263', 1 3/4° @ 4092'
PLUGGING REPORT 30 sx Rat, 15 sx Mouse
RESERVE PIT 650 bbls, Chl. 42,000 Ca. 460

DATE:	7 a.m.	Depth	RIG ACTIVITY
11-24-18			MIRU
11-26-18			Spud
11-27-18		380'	Drilling under surface
11-28-18		1660'	Drilling sand & shale
11-29-18		2550'	Drilling shale & lime
11-30-18		3155'	Drilling lime & shale
12-01-18		3660'	Drilling LKc lime
12-02-18		4030'	Drilling Marmaton lime
12-03-18		4092'	DST #2 Cherokee Sand
12-04-18		4097'	DST #3 Cherokee Sand
12-05-18		4165'	TD, Logged, Set casing

2	2nd sand 4027- 4092'	39# 59# 5"	1149# 60"	67# 202# 60"	1109# 90"	1975# 1952#	130' GIP 60' C,G,Oil 35° 380' H,O,C,Mud 40% Oil
3	2nd sand 4027- 4097'	28# 72# 5"	1146# 60"	87# 258# 60"	1089# 90"	1987# 1971#	65' GIP 30' C,Oil 350' H,O,C,Mud 40% Oil 190' W,M,C,Oil 10% Wtr
4							
5							
6							
7							
8							

MUD RECORD							Displaced				
CHK	DEPTH	WT	VIS	FIL	CHL	YP	LCM 2#	LCM 2#	LCM 2#	LCM 1½#	
1	3405'										
2	3650'	8.7	56								
3	3688'	8.7	52	7.6	2K	14					
4	3850'	8.7	55								
5	3950'	8.8	56								
6	4077'	9.0	53	7.6	2.5K	12					
7	4092'	9.0	51	7.6	3K	12					
8	4097'	9.2	49	7.6	5K	10					
9											
10											
11											

BIT RECORD							
NO	SIZE	MAKE	TYPE	DEPTHOUT	FEET	HOURS	
1	121"	Russia	R599	263'	263'	6 1/4	
2	7 7/8"	Hughes	GX20C	4165'	3902'	103	
3							
4							
5							
6							
7							
8							

T
13
S



STRATIGR
MARKI

Anhydri
Base
Heeb Sh
Lansing
BKc.
Chero S
Chero S
Cong Sd
Arbuckl
RTD
LTD

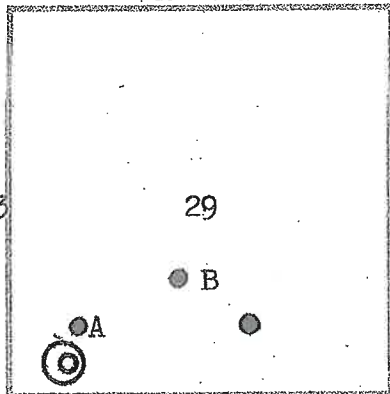
Pipe

*Structu

REFERRED TO:

- A: SWENCO WESTERN, Inc.
#1 Bongartz-Augustine NE SW SW 29
- B: DAMAR RESOURCES, Inc.
#2 Bongartz-Augustine S¹/₂ SE NE SW 29
- C: _____
- D: _____
- E: _____

T
13
S



STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION				
	SAMPLES	E. LOGS	DATUM	A	B	C	D	E
Anhydrite	1698'	1697'	+ 604	+609	+605			
Base	1746'	1744'	+ 557	+564	+560			
Heeb Sh	3619'	3616'	-1315	-1315	-1317			
Lansing	3655'	3651'	-1350	-1352	-1354			
BKc.	3901'	3895'	-1594	-1599	-1597			
Chero Sh	4040'	4033'	-1732	-1738	-1735			
Chero Sd	4051'	4045'	-1744	-1753	-1762			
Cong Sd	4085'	4084'	-1783	-1788	-1776			
Arbuckle				-1867	-			
RTD	4165'	4163'	-1862	-1916	-1862			
LTD				-1915	-1861			

Pipe strap 2.12' short.

The Bongartz-Augustine #3 well was drilled with Discovery Drilling tools rig #4 beginning 11-24-18 and drilling was completed 12-5-2018.

The drill site was located via a 3-D seismic survey. It is a south development location to the #1 well. Structurally, the well ran as expected from seismic and nearby wells.

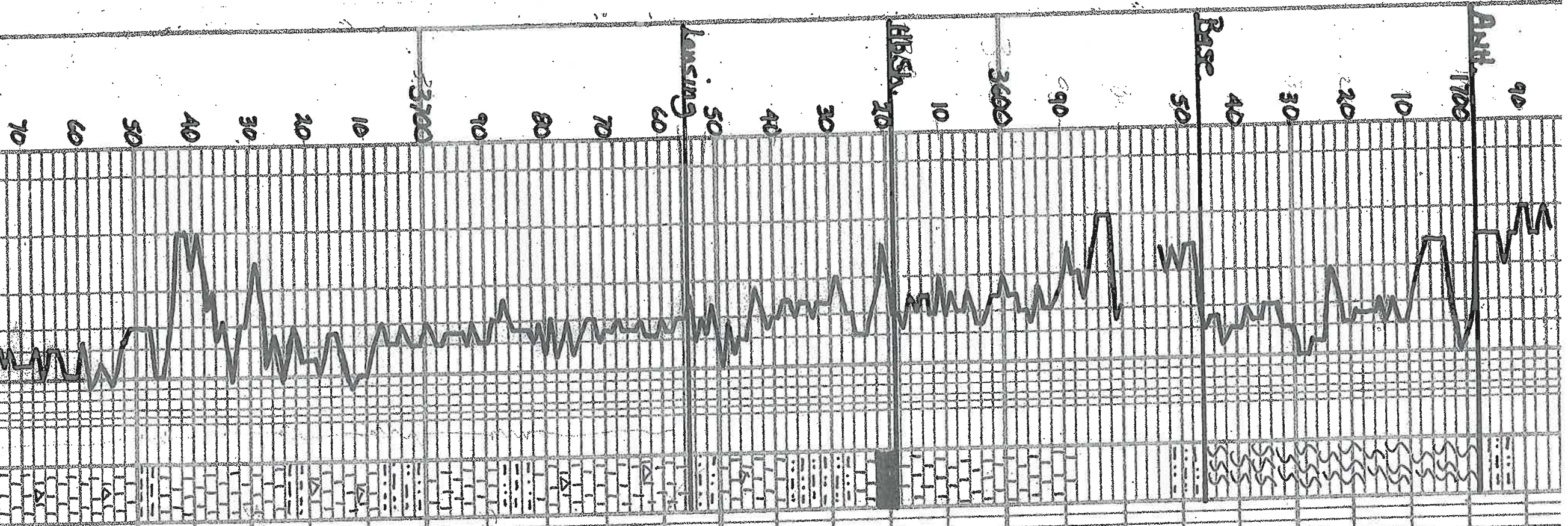
Positive data from DST #2 & #3 along with different looking sands on the log, were the reasons for setting casing to further test the well.

Recommended perfs; 4085-86'

Respectfully,

Randy
Randy Kilian

REMARKS
LITHOLOGY (LASSER)
& SHOWS
POOF
FAIR
GOOD
& DST
DRILLING TIME (min/ft)
1/2 1 2 3 4 5678910



ANH. 1700
 90
 10
 20
 30
 40
 50
 60
 70
 80
 90
 3700

Base
 3600
 990
 10
 20
 30
 40
 50
 60
 70
 80
 90

LS - tan-brn-gry-fm. xln. fossil
 LS a.l.s.

LS - brn-fm. xln
 LS - blk. carb. fossil
 LS - brn-fm. xln
 LS - tan-brn-fm. xln. fossil
 LS - tan-brn-fm. xln. fossil

LS - off wh. H-gry-fm. xln. fossil
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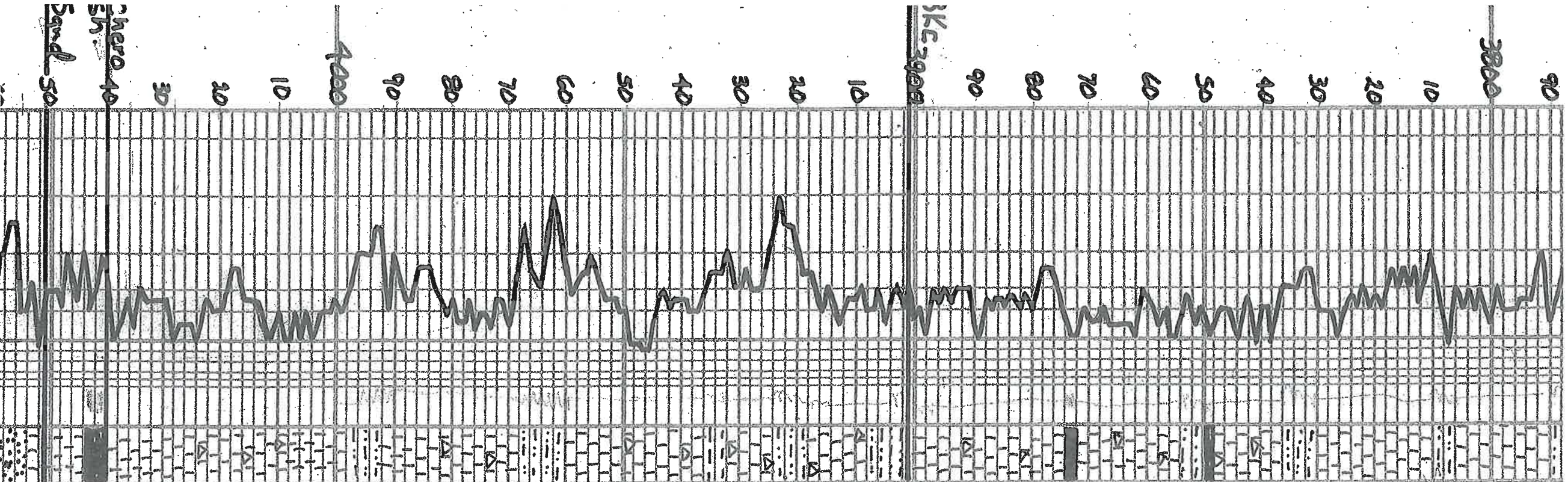
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LS - off wh. tan. fm. xln. sl. fossil.
shaly

sh. siltst. - gy. - gm. - brn.

LS - off wh. - tan. - fm. xln. - fossil.
w/ poor water part. &
dred oil st. in p. shaly

sh. - gy. - brn. - gm.

LS - off wh. - tan. - fm. xln. - sl. fossil
shaly

sh. - blk
sh. - gy. - brn. - gm.

LS - tan. - brn. - fm. xln. - fossil.
chalky, shaly

silt. blk, fissile

LS - off wh. - tan. - fm. xln. - fossil
sh. - blk, sh. - chalky

sh. - siltst. - gy. - brn. - gm.

LS - tan. - brn. - fm. xln. - shaly

sh. - gy. - brn. - gm. - maroon.

LS - brn. - fm. xln. - fossil, shaly

sh. - gry

LS - tan. - brn. - gy. - fm. xln. - fossil, shaly

LS - siltst, gy. - brn. - gm, maroon

LS - off wh. - tan. - fm. xln. - shaly

sh. - siltst - gy. - brn. - gm.

LS - off wh. - tan. - gy. - fm. xln. - fossil, shaly

sh. - blk.

sh. - blk, carb, fissile

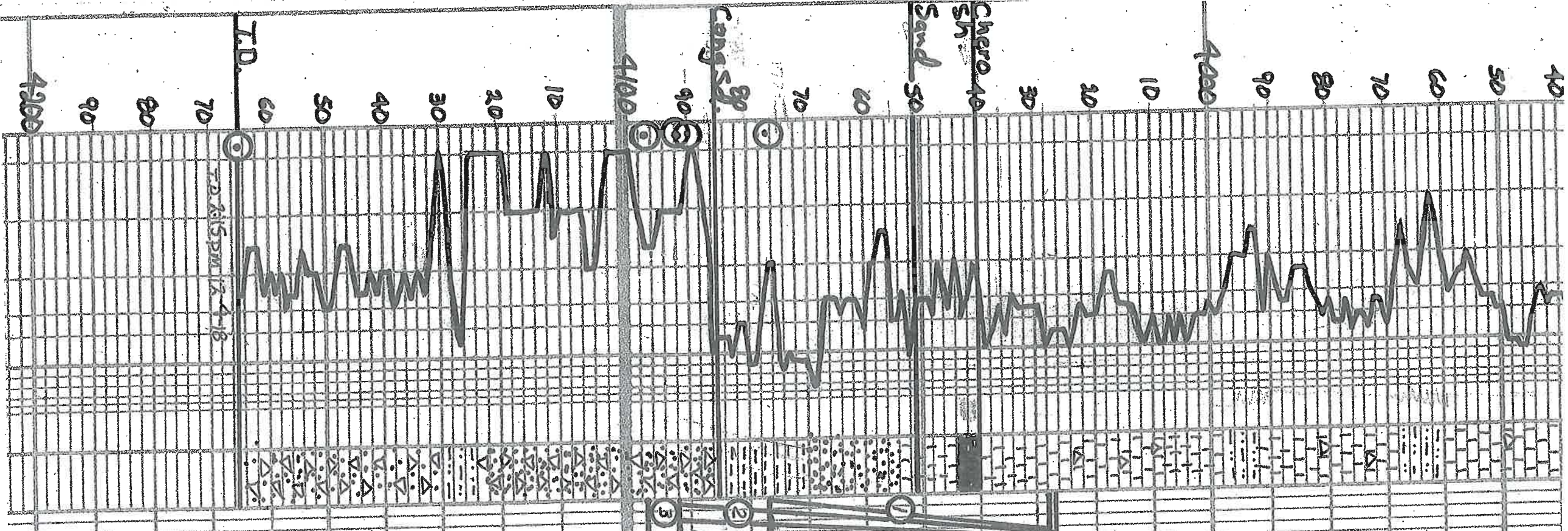
sh. - tan. - fm. xln.
sh. - blk, carb, fissile
sh. - blk, carb, fissile
sh. - blk, carb, fissile

Mud
vis. - 53
wt. - 87.5

Mud
vis. - 56
wt. - 88

Mud
vis. - 53
wt. - 90

Mud
vis. - 53
wt. - 90
D141/Ch
1008-77'



LS - tan-brn-qty-fan-fa. Fossil. Δ
 Mud
 Vis. - 56
 wt - 88

LS - off wh. tan-fn. Xln Δ
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 LS - off wh. tan-qty-fn. Xln



T.D. 2015 PM 12-4-18



DRILL STEM TEST REPORT

Prepared For: **DaMar Resources, Inc.**

PO Box 70
Hays, KS 67601

ATTN: Randy Kilian

Bongartz-Augustine#3

29-13S-21W Trego,KS

Start Date: 2018.12.02 @ 16:00:59

End Date: 2018.12.02 @ 22:58:20

Job Ticket #: 65011 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.12.04 @ 11:36:23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DaMar Resources, Inc.

29-13S-21W Trego, KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

ATTN: Randy Kilian

Job Ticket: 65011

DST#: 1

Test Start: 2018.12.02 @ 16:00:59

GENERAL INFORMATION:

Formation: **Upper Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:07:35

Time Test Ended: 22:58:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4028.00 ft (KB) To 4077.00 ft (KB) (TVD)

Reference Elevations: 2301.00 ft (KB)

Total Depth: 4077.00 ft (KB) (TVD)

2293.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6771

Inside

Press@RunDepth: 34.15 psig @ 4029.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.12.02 End Date: 2018.12.02

Last Calib.: 2018.12.02

Start Time: 16:01:00 End Time: 22:58:20

Time On Btm: 2018.12.02 @ 18:07:20

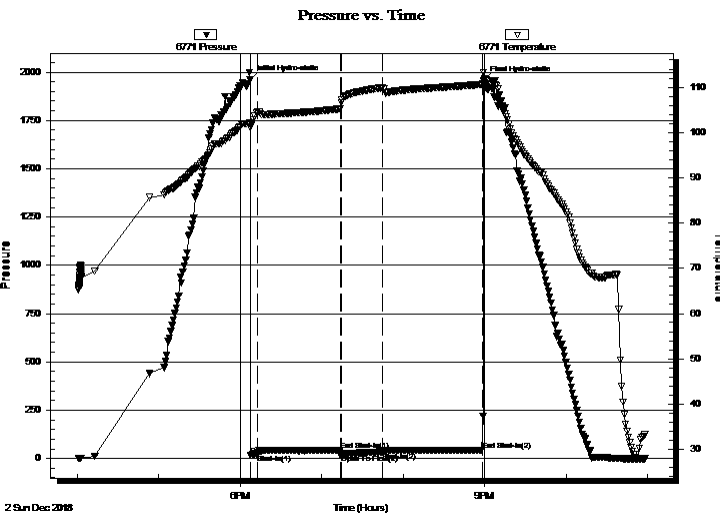
Time Off Btm: 2018.12.02 @ 20:59:05

TEST COMMENT: 05- IF- Built to 10.29"

60- IS- No blow

30- FF- BOB 2mins. Built to 200+"

75- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.57	101.98	Initial Hydro-static
1	17.68	101.01	Open To Flow (1)
6	22.54	104.58	Shut-In(1)
67	41.99	105.22	End Shut-In(1)
68	22.54	106.60	Open To Flow (2)
98	34.15	109.87	Shut-In(2)
171	42.90	110.60	End Shut-In(2)
172	1953.51	113.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	M	0.41
0.00	2105" GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

DaMar Resources, Inc.

29-13S-21W Trego, KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

ATTN: Randy Kilian

Job Ticket: 65011

DST#: 1

Test Start: 2018.12.02 @ 16:00:59

GENERAL INFORMATION:

Formation: **Upper Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:07:35

Time Test Ended: 22:58:20

Interval: **4028.00 ft (KB) To 4077.00 ft (KB) (TVD)**

Total Depth: 4077.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Reference Elevations: 2301.00 ft (KB)

2293.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753 **Outside**

Press@RunDepth: psig @ 4029.00 ft (KB)

Start Date: 2018.12.02 End Date: 2018.12.02

Start Time: 16:00:39 End Time: 22:58:03

Capacity: 8000.00 psig

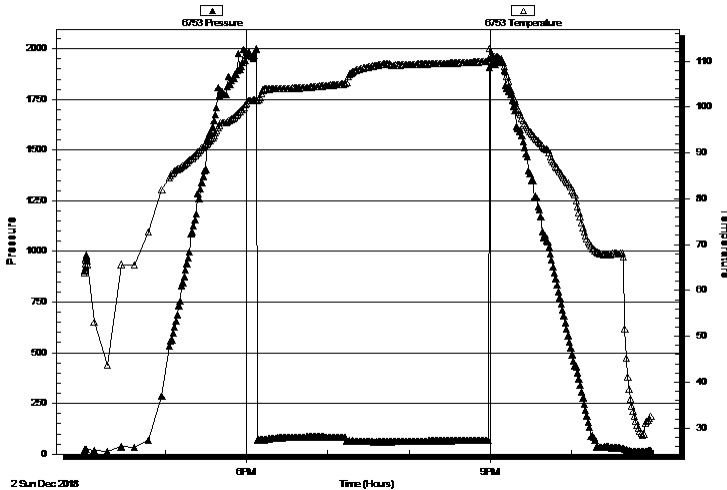
Last Calib.: 2018.12.02

Time On Btm:

Time Off Btm:

TEST COMMENT: 05- IF- Built to 10.29"
60- IS- No blow
30- FF- BOB 2mins. Built to 200+"
75- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	M	0.41
0.00	2105" GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DaMar Resources, Inc.

29-13S-21W Trego,KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

Job Ticket: 65011

DST#: 1

ATTN: Randy Kilian

Test Start: 2018.12.02 @ 16:00:59

Tool Information

Drill Pipe:	Length: 3995.00 ft	Diameter: 3.82 inches	Volume: 56.63 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4028.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4001.00	
Shut In Tool	5.00			4006.00	
Hydraulic tool	5.00			4011.00	
Jars	5.00			4016.00	
Safety Joint	3.00			4019.00	
Packer	5.00			4024.00	28.00 Bottom Of Top Packer
Packer	4.00			4028.00	
Stubb	1.00			4029.00	
Recorder	0.00	6771	Inside	4029.00	
Recorder	0.00	6753	Outside	4029.00	
Perforations	11.00			4040.00	
Change Over Sub	1.00			4041.00	
Drill Pipe	32.00			4073.00	
Change Over Sub	1.00			4074.00	
Bullnose	3.00			4077.00	49.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DaMar Resources, Inc.

29-13S-21W Trego,KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

Job Ticket: 65011

DST#: 1

ATTN: Randy Kilian

Test Start: 2018.12.02 @ 16:00:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	M	0.413
0.00	2105" GIP	0.000

Total Length: 50.00 ft Total Volume: 0.413 bbl

Num Fluid Samples: 0

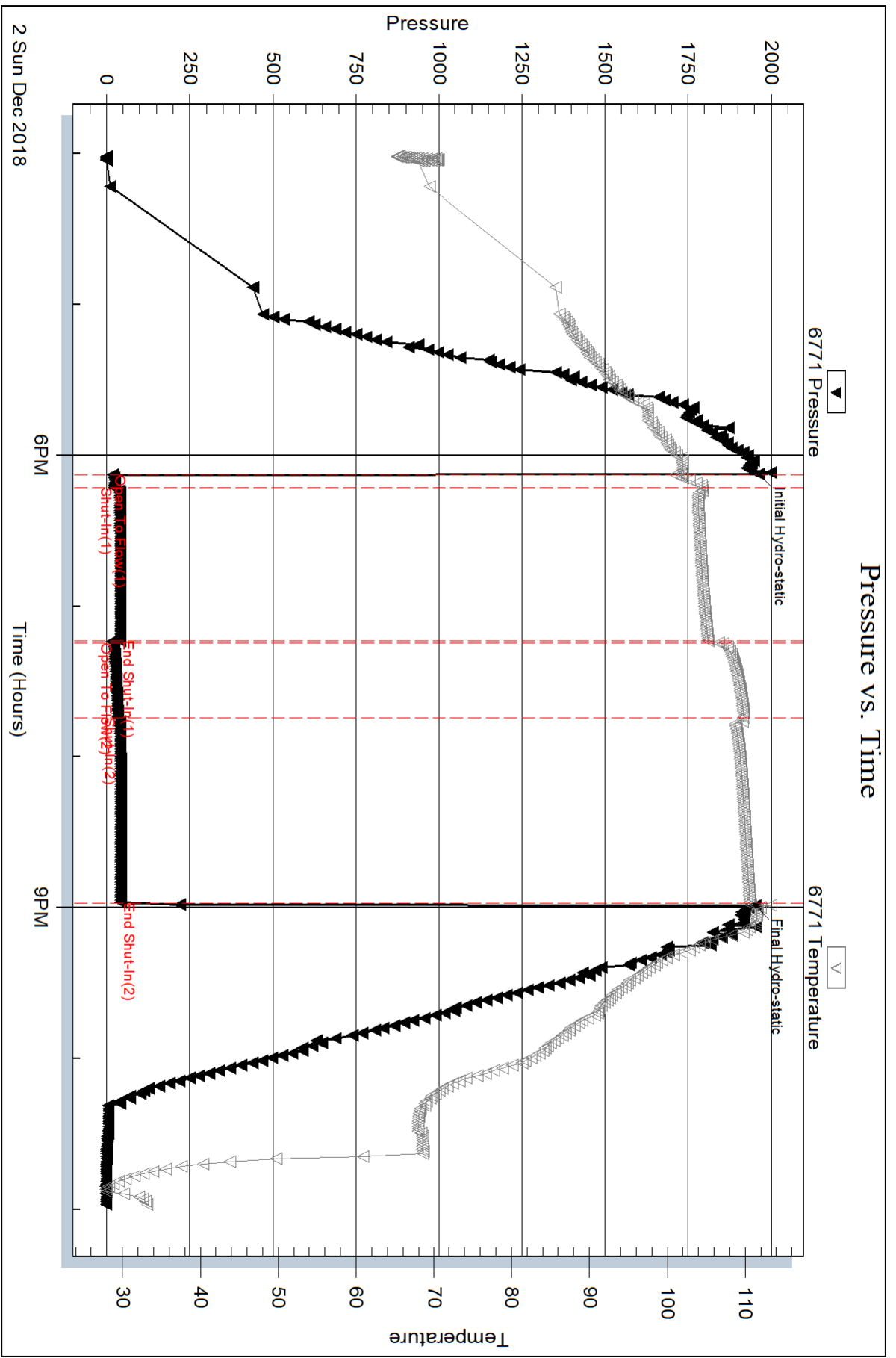
Num Gas Bombs: 0

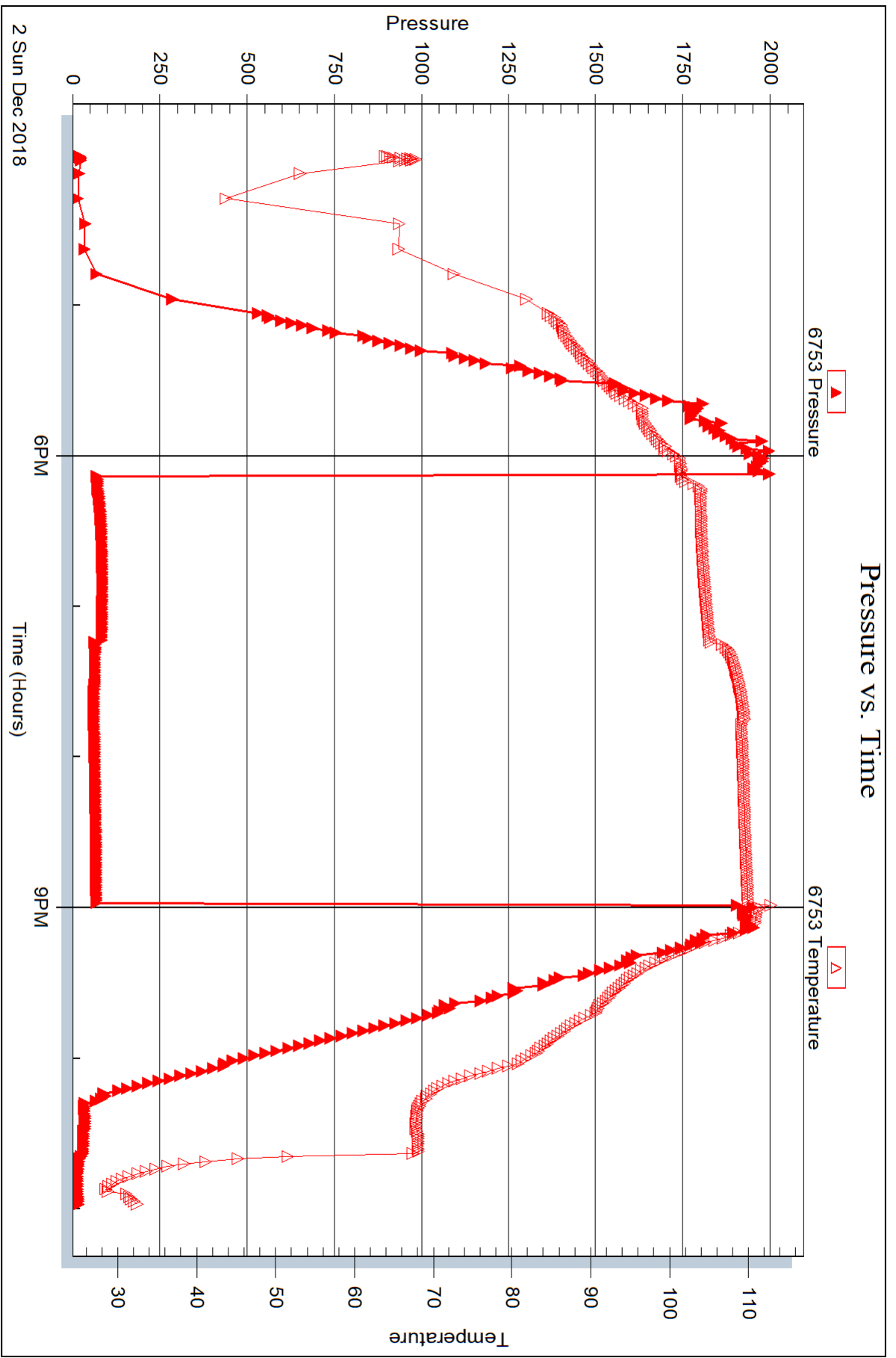
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **DaMar Resources, Inc.**

PO Box 70
Hays, KS 67601

ATTN: Randy Kilian

Bongartz-Augustine#3

29-13S-21W Trego,KS

Start Date: 2018.12.03 @ 05:22:26

End Date: 2018.12.03 @ 15:18:16

Job Ticket #: 65012 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.12.04 @ 11:35:57



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DaMar Resources, Inc.

29-13S-21W Trego, KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

ATTN: Randy Kilian

Job Ticket: 65012

DST#: 2

Test Start: 2018.12.03 @ 05:22:26

GENERAL INFORMATION:

Formation: **Lower Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:47

Time Test Ended: 15:18:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4027.00 ft (KB) To 4092.00 ft (KB) (TVD)

Reference Elevations: 2301.00 ft (KB)

Total Depth: 4092.00 ft (KB) (TVD)

2293.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6771

Inside

Press@RunDepth: 202.49 psig @ 4028.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.12.03

End Date:

2018.12.03

Last Calib.: 2018.12.03

Start Time: 05:22:27

End Time:

15:18:16

Time On Btm: 2018.12.03 @ 08:12:32

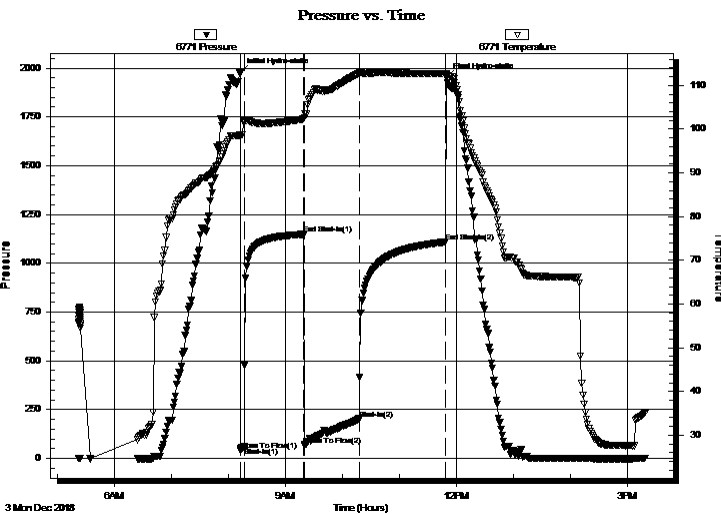
Time Off Btm: 2018.12.03 @ 11:49:47

TEST COMMENT: 05- IF- Built to 6.19"

60- IS- No blow

60- FF- BOB 12 mins. Built to 54.95"

90- FS- Surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.01	98.69	Initial Hydro-static
1	39.33	98.32	Open To Flow (1)
4	58.51	101.72	Shut-In(1)
67	1148.54	102.31	End Shut-In(1)
68	67.35	102.62	Open To Flow (2)
126	202.49	112.75	Shut-In(2)
217	1108.88	112.66	End Shut-In(2)
218	1952.41	112.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
380.00	HOCM, 40%O 60%M	5.09
60.00	CGO, 15%G 85%O	0.85
0.00	130' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DaMar Resources, Inc.

29-13S-21W Trego, KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

ATTN: Randy Kilian

Job Ticket: 65012

DST#: 2

Test Start: 2018.12.03 @ 05:22:26

GENERAL INFORMATION:

Formation: **Lower Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:47

Time Test Ended: 15:18:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: **4027.00 ft (KB) To 4092.00 ft (KB) (TVD)**

Reference Elevations: 2301.00 ft (KB)

Total Depth: 4092.00 ft (KB) (TVD)

2293.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press@RunDepth: psig @ 4028.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.12.03 End Date: 2018.12.03

Last Calib.: 2018.12.03

Start Time: 05:23:00 End Time: 15:18:55

Time On Btm:

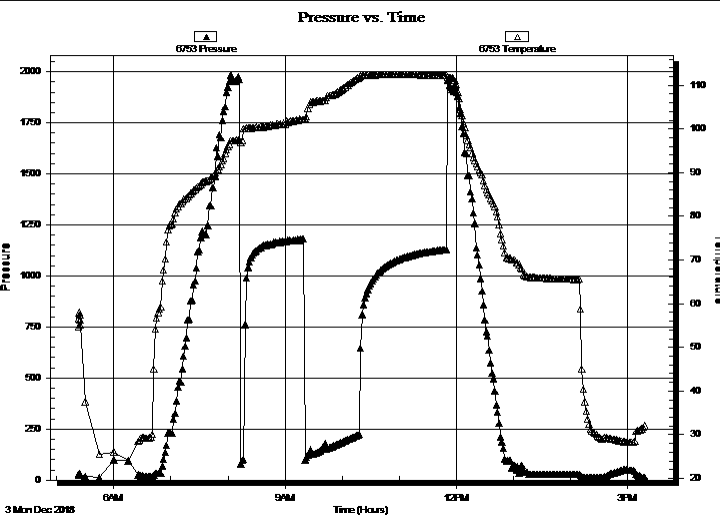
Time Off Btm:

TEST COMMENT: 05- IF- Built to 6.19"

60- IS- No blow

60- FF- BOB 12 mins. Built to 54.95"

90- FS- Surface blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
380.00	HOCM, 40%O 60%M	5.09
60.00	CGO, 15%G 85%O	0.85
0.00	130' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DaMar Resources, Inc.

29-13S-21W Trego,KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

ATTN: Randy Kilian

Job Ticket: 65012

DST#: 2

Test Start: 2018.12.03 @ 05:22:26

Tool Information

Drill Pipe:	Length: 3995.00 ft	Diameter: 3.82 inches	Volume: 56.63 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4027.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4000.00	
Shut In Tool	5.00			4005.00	
Hydraulic tool	5.00			4010.00	
Jars	5.00			4015.00	
Safety Joint	3.00			4018.00	
Packer	5.00			4023.00	28.00 Bottom Of Top Packer
Packer	4.00			4027.00	
Stubb	1.00			4028.00	
Recorder	0.00	6771	Inside	4028.00	
Recorder	0.00	6753	Outside	4028.00	
Perforations	27.00			4055.00	
Change Over Sub	1.00			4056.00	
Drill Pipe	32.00			4088.00	
Change Over Sub	1.00			4089.00	
Bullnose	3.00			4092.00	65.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DaMar Resources, Inc.

29-13S-21W Trego,KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

Job Ticket: 65012 **DST#: 2**

ATTN: Randy Kilian

Test Start: 2018.12.03 @ 05:22:26

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.58 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

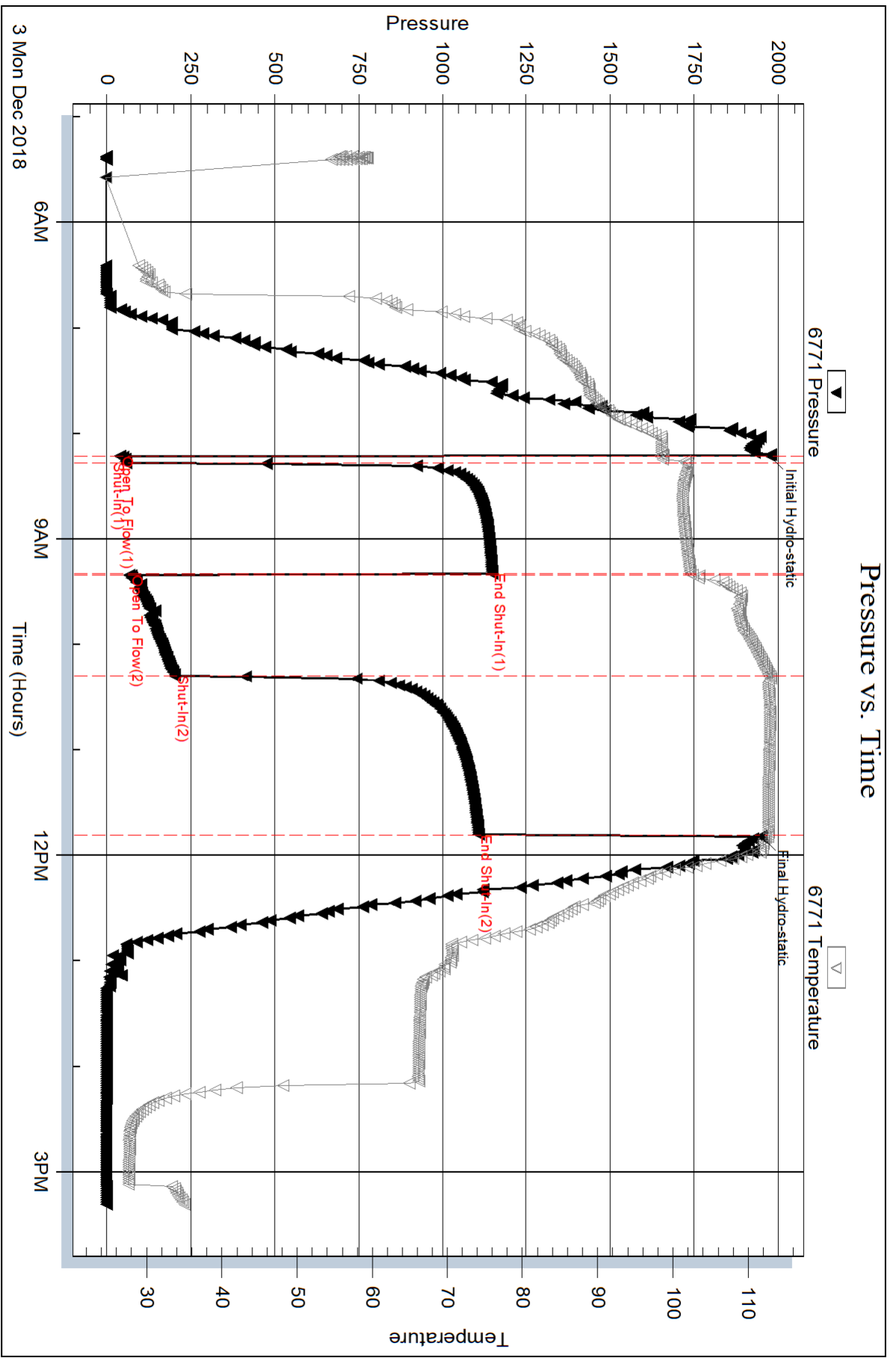
Length ft	Description	Volume bbl
380.00	HOCM, 40%O 60%M	5.090
60.00	CGO, 15%G 85%O	0.851
0.00	130' GIP	0.000

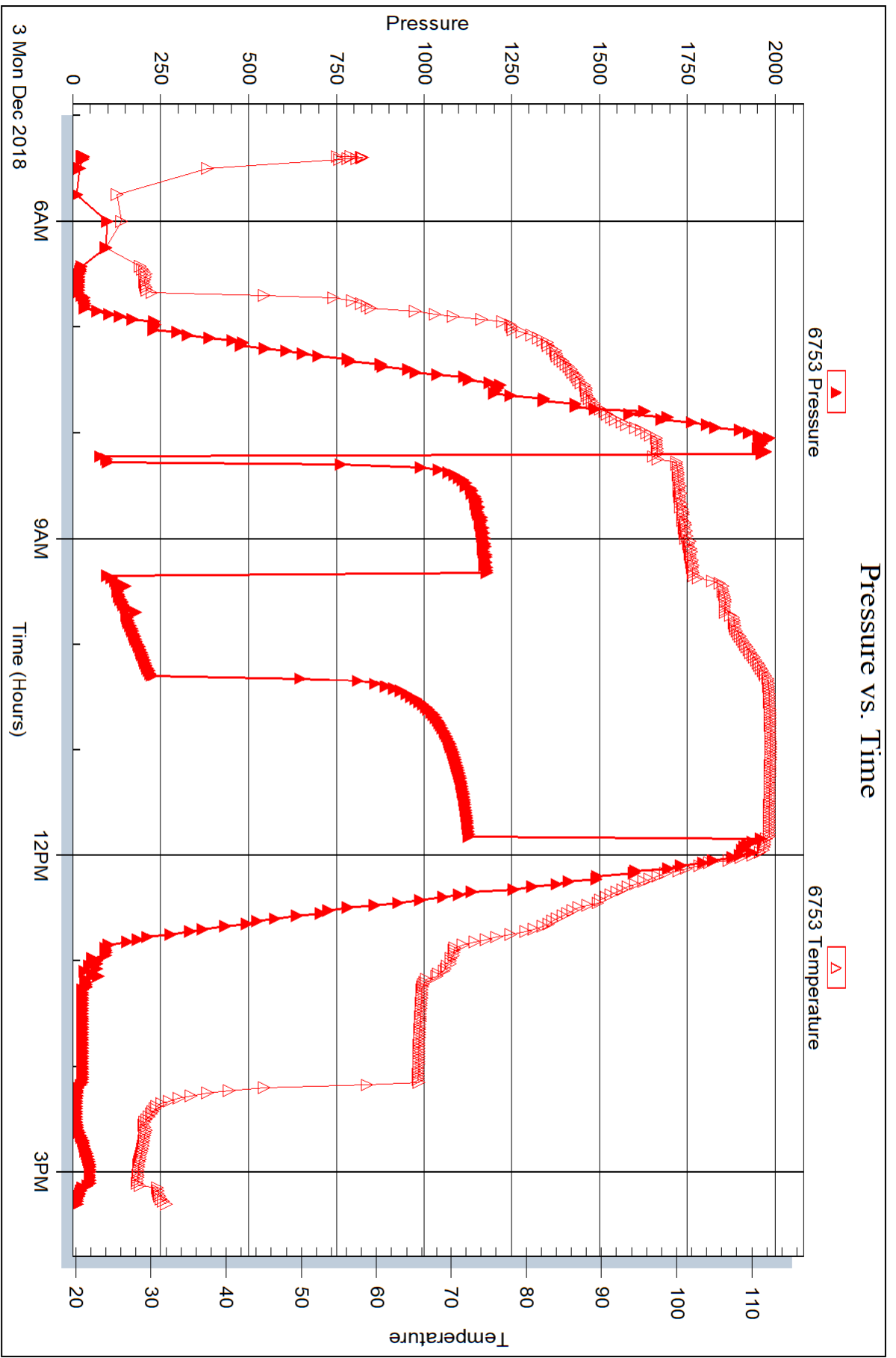
Total Length: 440.00 ft Total Volume: 5.941 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **DaMar Resources, Inc.**

PO Box 70
Hays, KS 67601

ATTN: Randy Kilian

Bongartz-Augustine#3

29-13S-21W Trego,KS

Start Date: 2018.12.04 @ 01:54:09

End Date: 2018.12.04 @ 10:08:45

Job Ticket #: 65013 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.12.04 @ 11:35:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DaMar Resources, Inc.

29-13S-21W Trego, KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

ATTN: Randy Kilian

Job Ticket: 65013

DST#: 3

Test Start: 2018.12.04 @ 01:54:09

GENERAL INFORMATION:

Formation: **Lower Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:52:30

Time Test Ended: 10:08:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4027.00 ft (KB) To 4097.00 ft (KB) (TVD)

Reference Elevations: 2301.00 ft (KB)

Total Depth: 4097.00 ft (KB) (TVD)

2293.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6771

Inside

Press@RunDepth: 257.75 psig @ 4028.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.12.04

End Date:

2018.12.04

Last Calib.: 2018.12.04

Start Time: 01:54:10

End Time:

10:08:45

Time On Btm: 2018.12.04 @ 03:52:00

Time Off Btm: 2018.12.04 @ 07:29:30

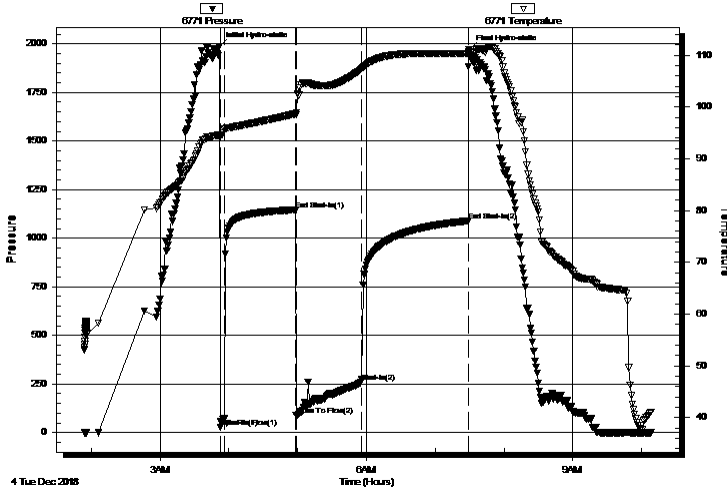
TEST COMMENT: 05- IF- Built to 6.81"

60- IS- Surface blow

60- FF- BOB 9 mins. Built to 64.14"

90- FSI- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1986.96	94.61	Initial Hydro-static
1	27.53	94.23	Open To Flow (1)
4	72.32	95.82	Shut-In(1)
66	1145.70	98.69	End Shut-In(1)
67	87.45	98.58	Open To Flow (2)
124	257.75	107.27	Shut-In(2)
217	1089.25	110.35	End Shut-In(2)
218	1970.57	110.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	WMCO, 10%W 35%M 55%O	2.40
350.00	HOCM, 40%O 60%M	4.96
30.00	CO	0.43
0.00	65' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DaMar Resources, Inc.
 PO Box 70
 Hays, KS 67601
 ATTN: Randy Kilian

29-13S-21W Trego, KS
Bongartz-Augustine#3
 Job Ticket: 65013 **DST#: 3**
 Test Start: 2018.12.04 @ 01:54:09

GENERAL INFORMATION:

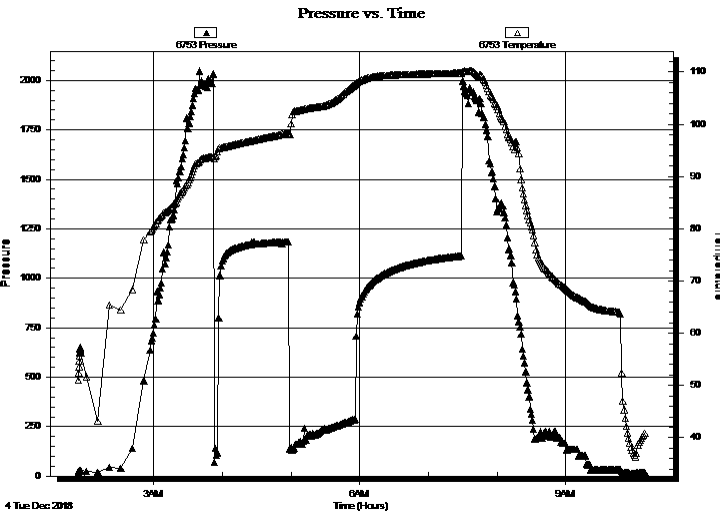
Formation: **Lower Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:52:30
 Time Test Ended: 10:08:45
 Interval: **4027.00 ft (KB) To 4097.00 ft (KB) (TVD)**
 Total Depth: 4097.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2301.00 ft (KB)
 2293.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6753

Outside

Press@RunDepth: psig @ 4028.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.12.04 End Date: 2018.12.04 Last Calib.: 2018.12.04
 Start Time: 01:54:34 End Time: 10:08:58 Time On Btm:
 Time Off Btm:

TEST COMMENT: 05- IF- Built to 6.81"
 60- IS- Surface blow
 60- FF- BOB 9 mins. Built to 64.14"
 90- FSI- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
190.00	WMCO, 10%W 35%M 55%O	2.40
350.00	HOCM, 40%O 60%M	4.96
30.00	CO	0.43
0.00	65' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DaMar Resources, Inc.

29-13S-21W Trego,KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

ATTN: Randy Kilian

Job Ticket: 65013

DST#: 3

Test Start: 2018.12.04 @ 01:54:09

Tool Information

Drill Pipe:	Length: 3995.00 ft	Diameter: 3.82 inches	Volume: 56.63 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose:	63000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4027.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	98.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4000.00	
Shut In Tool	5.00			4005.00	
Hydraulic tool	5.00			4010.00	
Jars	5.00			4015.00	
Safety Joint	3.00			4018.00	
Packer	5.00			4023.00	28.00 Bottom Of Top Packer
Packer	4.00			4027.00	
Stubb	1.00			4028.00	
Recorder	0.00	6771	Inside	4028.00	
Recorder	0.00	6753	Outside	4028.00	
Perforations	2.00			4030.00	
Change Over Sub	1.00			4031.00	
Drill Pipe	62.00			4093.00	
Change Over Sub	1.00			4094.00	
Bullnose	3.00			4097.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DaMar Resources, Inc.

29-13S-21W Trego,KS

PO Box 70
Hays, KS 67601

Bongartz-Augustine#3

Job Ticket: 65013

DST#: 3

ATTN: Randy Kilian

Test Start: 2018.12.04 @ 01:54:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
190.00	WMCO, 10%W 35%M 55%O	2.397
350.00	HOCM, 40%O 60%M	4.961
30.00	CO	0.425
0.00	65' GIP	0.000

Total Length: 570.00 ft

Total Volume: 7.783 bbl

Num Fluid Samples: 0

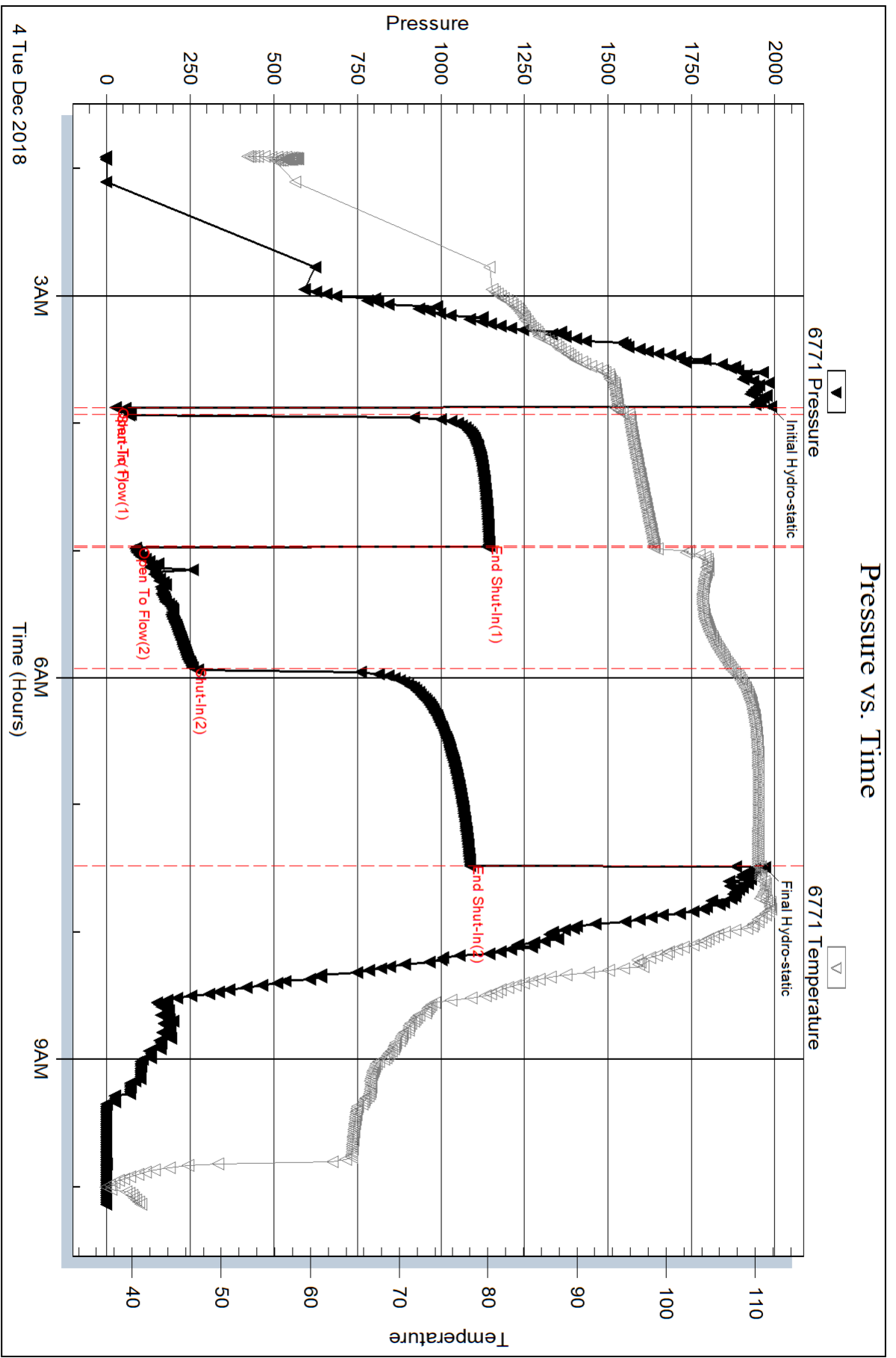
Num Gas Bombs: 0

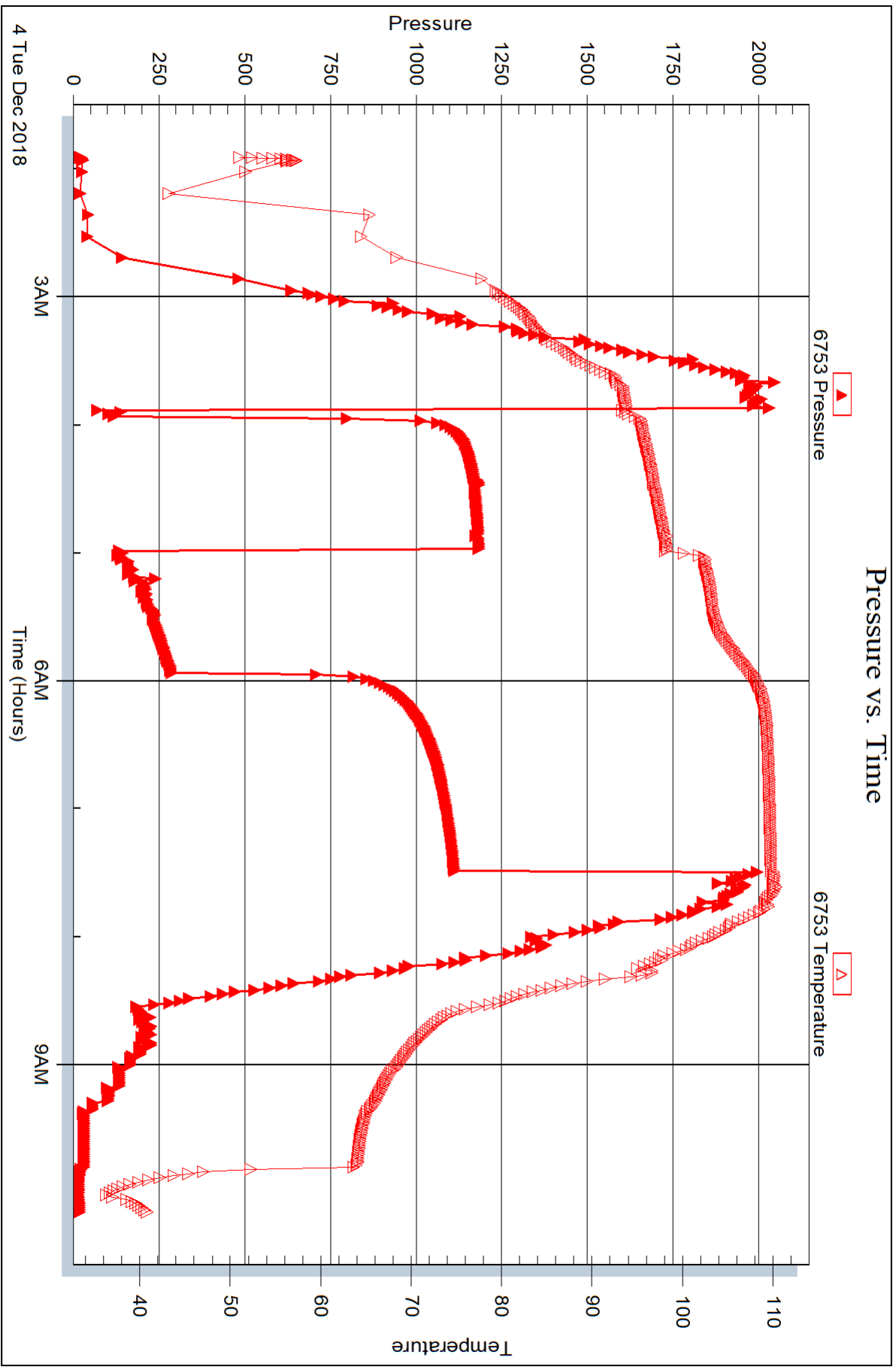
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .30@50deg







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65011

Well Name & No. Bongartz-Augustine #3 Test No. 1 Date 12/2/18
 Company DaMar Resources, Inc Elevation 2301 KB 2293 GL
 Address 234 W. 11th Ste. A, PO Box 70 Hays, KS 67601
 Co. Rep / Geo. Bandy Kilian Rig Discovery #4
 Location: Sec. 29 Twp 13 S Rge. 21 W Co. Trego State KS

Interval Tested 4028-4077 Zone Tested Upper Cherokee Sand
 Anchor Length 49' Drill Pipe Run 3995 Mud Wt. 9.0
 Top Packer Depth 4023 Drill Collars Run 32 Vis 53
 Bottom Packer Depth 4028 Wt. Pipe Run _____ WL 7.6
 Total Depth 4077 Chlorides 3,500 ppm System LCM 2#

Blow Description IF - Built to 10.29"
ISI - No blow
FF - BOB 2mins. Built to 200+"
FST - No blow

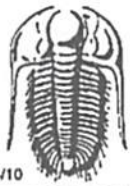
Rec	Feet of	%gas	%oil	%water	%mud
<u>50'</u>	<u>M</u>				
	<u>2105' LIP</u>				

Rec Total 50' BHT 111° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1963</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1450</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1601</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1808</u>
(D) Initial Shut-In <u>42</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2058</u>
(E) Second Initial Flow <u>23</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2258</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>60 RT</u> 60	Comments _____
(G) Final Shut-In <u>43</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> EM Tool _____
(H) Final Hydrostatic <u>1954</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>05</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>75</u>	<input type="checkbox"/> Day Standby _____	Total <u>1535</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1535</u>	

Approved By _____ Our Representative Braman Lonsdale

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65012

Well Name & No. Bongartz - Augustine #3 Test No. 2 Date 12/3/18
 Company DeMar Resources, Inc. Elevation 2301 KB 2293 GL
 Address 234 W. 11th St A, PO Box 70 Hays, KS 67601
 Co. Rep / Geo. Randy Kilian Rig Discovery #4
 Location: Sec. 29 Twp 13 S Rge. 21 W Co. Trego State KS

Interval Tested 4027-4092 Zone Tested Lower Cherokee Sand
 Anchor Length 65' Drill Pipe Run 3995 Mud Wt. 9.0
 Top Packer Depth 4022 Drill Collars Run 32 Vis 51
 Bottom Packer Depth 4027 Wt. Pipe Run --- WL 7.6
 Total Depth 4092 Chlorides 3,000 ppm System LCM 2#
 Blow Description IF - Built to 6.19"
ISF - No blow
FF - BOB 12 mins. Built to 34.95"
FSF - Surface blow

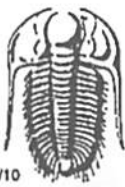
Rec	Feet of	%gas	%oil	%water	%mud
<u>380</u>	<u>HOCM</u>	<u>40</u>	<u>40</u>	<u>60</u>	<u>---</u>
<u>60</u>	<u>CGO</u>	<u>15</u>	<u>85</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>130' GIP</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

Rec Total 440' BHT 113° Gravity 35 API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>1975</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0507</u>
(B) First Initial Flow <u>39</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0522</u>
(C) First Final Flow <u>59</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0812</u>
(D) Initial Shut-In <u>1149</u>	<input type="checkbox"/> Circ Sub <u>---</u>	T-Pulled <u>1147</u>
(E) Second Initial Flow <u>67</u>	<input type="checkbox"/> Hourly Standby <u>---</u>	T-Out <u>1518</u>
(F) Second Final Flow <u>202</u>	<input checked="" type="checkbox"/> Mileage <u>60 RT 60</u>	Comments <u>---</u>
(G) Final Shut-In <u>1109</u>	<input type="checkbox"/> Sampler <u>---</u>	<u>---</u>
(H) Final Hydrostatic <u>1952</u>	<input type="checkbox"/> Straddle <u>---</u>	<u>---</u>
Initial Open <u>05</u>	<input type="checkbox"/> Shale Packer <u>---</u>	<input type="checkbox"/> EM Tool <u>---</u>
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer <u>---</u>	<input type="checkbox"/> Ruined Shale Packer <u>---</u>
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder <u>---</u>	<input type="checkbox"/> Ruined Packer <u>---</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby <u>---</u>	<input type="checkbox"/> Extra Copies <u>---</u>
	<input type="checkbox"/> Accessibility <u>---</u>	Sub Total <u>0</u>
	Sub Total <u>1535</u>	Total <u>1535</u>
		MP/DST Disc't <u>---</u>

Approved By _____ Our Representative Brannan Lonsdale

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65013

Well Name & No. Borgartz - Augustine #3 Test No. 3 Date 12/4/18
 Company DeMar Resources, Inc. Elevation 2301 KB 2293 GL
 Address 234 W. 11th St. A, PO Box 70 Hays, KS 67601
 Co. Rep / Geo. Randy Kilian Rig Discovery #4
 Location: Sec. 29 Twp B S Rge. 21 W Co. Trego State KS

Interval Tested 4027-4097 Zone Tested Lower Cherokee Sand
 Anchor Length 70' Drill Pipe Run 3995 Mud Wt. 90
 Top Packer Depth 4022 Drill Collars Run 32 Vis 51
 Bottom Packer Depth 4027 Wt. Pipe Run --- WL 2.6
 Total Depth 4097 Chlorides 3000 ppm System LCM 2nd
 Blow Description IF- Built to 6.81"
ISF- Surface blow
FF- Built to 64.14" BOB 9 mins
FSF- No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>WMCO</u>	<u>55</u>	<u>10</u>	<u>35</u>	<u>---</u>
<u>350</u>	<u>HOCM</u>	<u>40</u>	<u>---</u>	<u>60</u>	<u>---</u>
<u>30</u>	<u>CO</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>65' GIP</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

Rec Total 570' BHT 110° Gravity 35 API RW .30 @ 50° F Chlorides 30,000 ppm

(A) Initial Hydrostatic <u>1987</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0119</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0154</u>
(C) First Final Flow <u>72</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0352</u>
(D) Initial Shut-In <u>1146</u>	<input type="checkbox"/> Circ Sub <u>---</u>	T-Pulled <u>0727</u>
(E) Second Initial Flow <u>87</u>	<input type="checkbox"/> Hourly Standby <u>---</u>	T-Out <u>1009</u>
(F) Second Final Flow <u>258</u>	<input checked="" type="checkbox"/> Mileage <u>60 RT</u> <u>60</u>	Comments <u>---</u>
(G) Final Shut-In <u>1089</u>	<input type="checkbox"/> Sampler <u>---</u>	<u>---</u>
(H) Final Hydrostatic <u>1971</u>	<input type="checkbox"/> Straddle <u>---</u>	<u>---</u>
Initial Open <u>05</u>	<input type="checkbox"/> Shale Packer <u>---</u>	<input type="checkbox"/> EM Tool <u>---</u>
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer <u>---</u>	<input type="checkbox"/> Ruined Shale Packer <u>---</u>
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder <u>---</u>	<input type="checkbox"/> Ruined Packer <u>---</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby <u>---</u>	<input type="checkbox"/> Extra Copies <u>---</u>
	<input type="checkbox"/> Accessibility <u>---</u>	Sub Total <u>0</u>
	Sub Total <u>1535</u>	Total <u>1535</u>

Approved By _____

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LOG

SWIFT Services, Inc.

DATE

12-31-18

PAGE NO.

CUSTOMER

Damar Resources

WELL NO.

3

LEASE

Bremhardt - Augustine Port Collar

JOB TYPE

TICKET NO.

27443

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	830							On location
								RBP - 1900 Port Collar - 1707
	840	3.5	50			200		circulate oil out of hole
							1500	Test tools - 6000 open port collar
	855	3.5	8			500		Pump wtr to circ
		3.5	9			500		pump benonate get 3 sks
		5	0			700		Start Cmt @ 91.2 rpg
		5	65			800		Circ Cmt - Raise wgt to 74 rpg
		5	70			900		End Cmt
	955	5	8			900		Disp w/ wtr
								Close Port Collar
						1500		TEST - holding
								Run 5 Joints
	1010	3.5	25			300		Reverse out
								JOB Complete
								Thanks David, Zach & Issac