

Form	ACO1 - Well Completion
Operator	Jaspar Co.
Well Name	LIZA 2
Doc ID	1675334

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	263	common	165	3%cc,2% gel



Scale 1:240 Imperial

Well Name: LIZA #2
Surface Location: NE SE SW NE Sec. 2 - 9S - 19W
Bottom Location:
API: 15-163-24469
License Number: 34903
Spud Date: 11/2/2022 Time: 9:15 AM
Region: ROOKS COUNTY KANSAS
Drilling Completed: 11/10/2022 Time: 11:46 PM
Surface Coordinates: 2085' FNL & 1500' FEL
Bottom Hole Coordinates:
Ground Elevation: 2166.50ft
K.B. Elevation: 2173.50ft
Logged Interval: 3000.00ft To: 3730.00ft
Total Depth: 3730.00ft
Formation: LANSING - KANSAS CITY; ARBUCKLE
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

OPERATOR

Company: JASPAR CO.
Address: P.O. BOX 1120
HAYS, KS 67601

Contact Geologist: SHANE VEHIGE
Contact Phone Nbr: (785) 623-6982
Well Name: LIZA #2
Location: NE SE SW NE Sec. 2 - 9S - 19W
API: 15-163-24469
Pool:
State: KANSAS
Field: UNKNOWN
Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.461322
Latitude: 39.243083
N/S Co-ord: 2085' FNL
E/W Co-ord: 1500' FEL

LOGGED BY



Company: BIG CREEK CONSULTING, INC.
Address: 3504 DUNCAN ST
ST. JOE, MO 64507

Phone Nbr: (785) 259-3737
Logged By: GEOLOGIST

Name: JEFF LAWLER

CONTRACTOR

Contractor: STP
Rig #: 2
Rig Type: MUD ROTARY
Spud Date: 11/2/2022
TD Date: 11/10/2022
Rig Release: 11/11/2022

Time: 9:15 AM
Time: 11:46 PM
Time: 7:00 AM

ELEVATIONS

K.B. Elevation: 2173.50ft
K.B. to Ground: 7.00ft

Ground Elevation: 2166.50ft

NOTES

DUE TO A LACK OF ECONOMICAL RECOVERY ON ALL DRILL STEM TESTS AND AFTER LOG ANALYSIS IT WAS DECIDED TO PLUG & ABANDON THE LIZA #2.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

					●					⌘					⌘					SWD									
					JASPAR COMPANY, INC.					LEBEN DRLG & BANKOFF OIL					CLINTON OIL CO.					JASPAR COMPANY, INC.									
					LIZA #1					DESMARTEAU #1					DESLONGCHAMP #1					LARRY B #1									
					NW SW NE NE 29-9-19					S2 S2 SE 29-9-19					SE SE NW 29-9-19					SE SW NE NW 29-9-19									
LIZA #2					2188					2219					2181					2155									
KB		2173.5		GL	2166.5		KB	2188		KB	2219		KB	2181		KB	2155												
LOG TOPS		SAMPLE TOPS			LOG		LOG	SMPL.		COMP. CARD	LOG		SMPL.	LOGS	LOG		SMPL.	COMP. CARD	LOG		SMPL.								
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM		CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.								
ANHYDRITE TOP	1574	599.5	1569	604.5	1583	605	-	5.5	-	0.5	1630	589	+	10.5	+	15.5	1585	596	+	3.5	+	8.5	1560	595	+	4.5	+	9.5	
BASE	1608	565.5	1612	561.5	1620	568	-	2.5	-	6.5								1591	564	+	1.5	-	2.5						
	3131	-957.5	3131	-957.5	3139	-951	-	6.5	-	6.5								3109	-954	-	3.5	-	3.5						
HEEBNER SHALE	3336	-1162.5	3338	-1164.5	3343	-1155	-	7.5	-	9.5	3408	-1189	+	26.5	+	24.5	3352	-1171	+	8.5	+	6.5	3311	-1156	-	6.5	-	8.5	
TORONTO	3358	-1184.5	3358	-1184.5	3362	-1174	-	10.5	-	10.5								3370	-1189	+	4.5	+	4.5	3333	-1178	-	6.5	-	6.5
LKC	3376	-1202.5	3379	-1205.5	3383	-1195	-	7.5	-	10.5	3451	-1232	+	29.5	+	26.5	3392	-1211	+	8.5	+	5.5	3353	-1198	-	4.5	-	7.5	
BKC	3593	-1419.5	3598	-1424.5	3598	-1410	-	9.5	-	14.5								3571	-1416	-	3.5	-	8.5						
CONGLOMERATE	3629	-1455.5	3632	-1458.5							3706	-1487	+	31.5	+	28.5	3639	-1458	+	2.5	-	0.5							
ARBUCKLE	3653	-1479.5	3654	-1480.5	3631	-1443	-	36.5	-	37.5	3766	-1547	+	67.5	+	66.5	3680	-1499	+	19.5	+	18.5	3606	-1451	-	28.5	-	29.5	
TOTAL DEPTH	3732	-1558.5	3730	-1556.5	3701	-1513	-	45.5	-	43.5	3795	-1576	+	17.5	+	19.5	3730	-1549	-	9.5	-	7.5	3706	-1551	-	7.5	-	5.5	

DST #1 TORONTO - LKC A 3336' - 3400'

	DRILL STEM TEST REPORT	
	Jaspar Co.	29-9S-19W
	PO Box 1120 Hays, KS 67601	Liza #2
	ATTN: Jeff Lawler	Job Ticket: 69884 Test Start: 2022.11.06 @ 21:48:00

GENERAL INFORMATION:

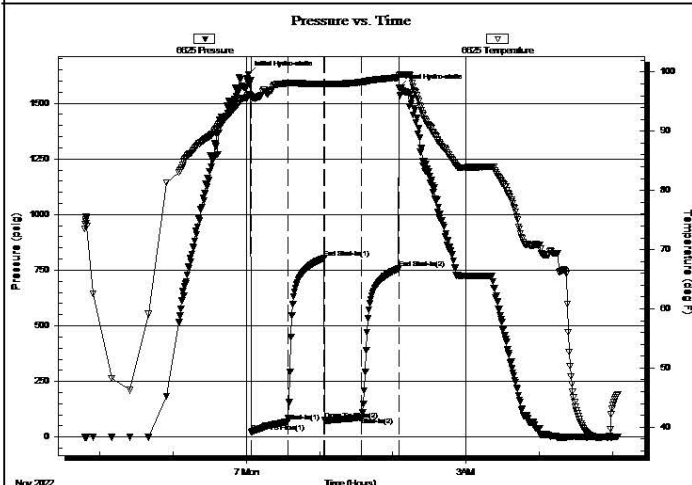
Formation: **Toronto- LKC A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:04:30
Time Test Ended: 05:04:00
Interval: **3336.00 ft (KB) To 3400.00 ft (KB) (TVD)**
Total Depth: 3400.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition:
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Day
Unit No: 70
Reference Elevations: 2173.50 ft (KB)
2166.50 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6625

Inside

Press@RunDepth: 88.05 psig @ 3337.00 ft (KB)
Start Date: 2022.11.06 End Date: 2022.11.07
Start Time: 21:48:00 End Time: 05:04:00
Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2022.11.07 @ 00:01:45
Time Off Btm: 2022.11.07 @ 02:05:15

TEST COMMENT: IF-30- Built to 3 3/4"
 SI1-30- No return
 FF-30- Built to 3 3/4"
 SI2-30- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.16	96.21	Initial Hydro-static
3	21.09	95.72	Open To Flow (1)
33	69.44	98.11	Shut-In(1)
62	803.44	97.95	End Shut-In(1)
63	77.52	97.97	Open To Flow (2)
93	88.05	98.29	Shut-In(2)
123	756.56	99.07	End Shut-In(2)
124	1569.97	99.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
148.00	VSOWCM 1% oil 34% water 65% mud	1.00
15.00	mud w /oil spots 100% mud	0.21

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 69884

Printed: 2022.11.07 @ 05:23:22

DST #2 LKC I - L 3516' - 3605'



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W

PO Box 1120
 Hays, KS 67601

Liza #2

Job Ticket: 70186

DST#: 2

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 05:10:00

GENERAL INFORMATION:

Formation: **LKC I-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:21:45

Time Test Ended: 11:41:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3516.00 ft (KB) To 3605.00 ft (KB) (TVD)**

Reference Elevations: 2173.50 ft (KB)

Total Depth: 3400.00 ft (KB) (TVD)

2166.50 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8368

Inside

Press@RunDepth: 107.50 psig @ 3517.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.11.08

End Date:

2022.11.08

Last Calib.: 2022.11.08

Start Time: 05:10:05

End Time:

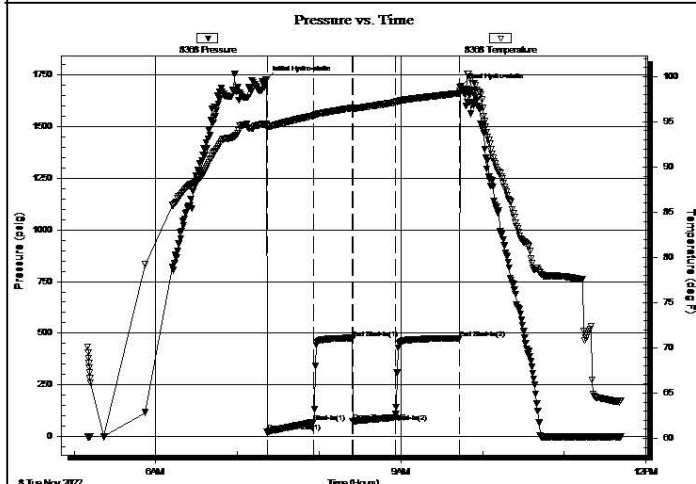
11:41:44

Time On Btm: 2022.11.08 @ 07:21:30

Time Off Btm: 2022.11.08 @ 09:43:30

TEST COMMENT:

TEST COMMENT: IF-30-4 Inches
ISL-30-No return
FF-30-Surface blow
FSI-45-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1725.88	94.76	Initial Hydro-static
1	21.44	94.29	Open To Flow (1)
35	69.49	95.67	Shut-In(1)
63	474.99	96.54	End Shut-In(1)
64	73.17	96.41	Open To Flow (2)
95	107.50	97.16	Shut-In(2)
142	475.44	98.16	End Shut-In(2)
142	1690.17	98.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	OSMW 35%MUD 65%WATER	1.03

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 70186

Printed: 2022.11.08 @ 14:22:01

DST #3 ARBUCKLE 3623' - 3661'

	TRILOBITE TESTING, INC		DRILL STEM TEST REPORT	
	Jaspar Co.		29-9S-19W	
	PO Box 1120 Hays, KS 67601		Liza #2	
	ATTN: Jeff Lawler		Job Ticket: 70187 DST#: 3 Test Start: 2022.11.08 @ 23:40:00	

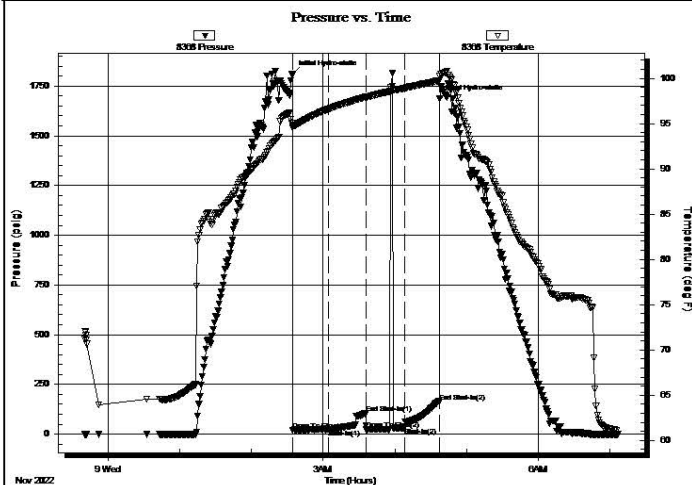
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:34:30
 Time Test Ended: 07:07:00
 Interval: **3623.00 ft (KB) To 3661.00 ft (KB) (TVD)**
 Total Depth: 3400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2173.50 ft (KB)
 2166.50 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8368 **Inside**
 Press@RunDepth: 31.96 psig @ 3628.00 ft (KB)
 Start Date: 2022.11.08 End Date: 2022.11.09
 Start Time: 23:40:05 End Time: 07:06:59
 Capacity: 8000.00 psig
 Last Calib.: 2022.11.09
 Time On Btm: 2022.11.09 @ 02:34:15
 Time Off Btm: 2022.11.09 @ 04:37:45

TEST COMMENT: IF-30-1/2 Inch
 ISL-30-No return

FF-30-No blow
FSI-30-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.25	95.08	Initial Hydro-static
1	20.52	94.51	Open To Flow (1)
30	23.34	96.58	Shut-In(1)
62	105.08	97.91	End Shut-In(1)
62	22.52	97.91	Open To Flow (2)
94	31.96	98.91	Shut-In(2)
124	163.23	99.75	End Shut-In(2)
124	1688.32	100.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 70187

Printed: 2022.11.09 @ 08:39:42

DST #4 ARBUCKLE 3653' - 3666'



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70188

DST#: 4

ATTN: Jeff Lawler

Test Start: 2022.11.09 @ 12:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 18:04:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3652.00 ft (KB) To 3665.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2173.50 ft (KB)

2166.50 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8957

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.11.09 End Date: 2022.11.09

Start Time: 12:55:01 End Time: 18:04:55

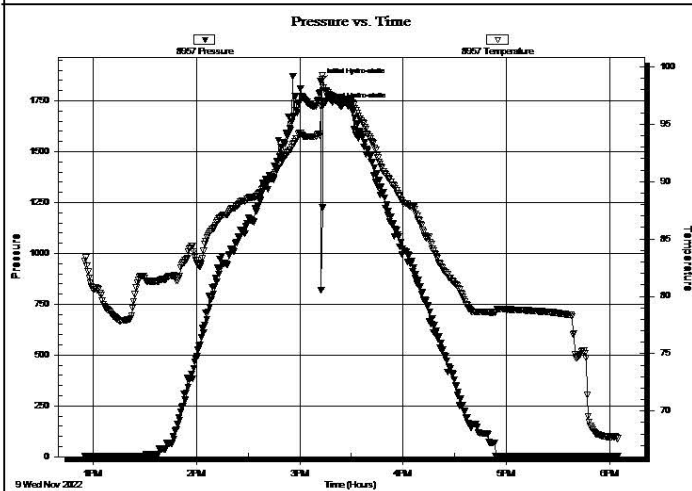
Capacity: 8000.00 psig

Last Calib.: 2022.11.09

Time On Btm: 2022.11.09 @ 15:12:06

Time Off Btm: 2022.11.09 @ 15:13:06

TEST COMMENT: Packer failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1844.25	94.01	Initial Hydro-static
1	1724.55	99.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	MUD	3.55

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 70188

Printed: 2022.11.10 @ 07:06:15

ROCK TYPES

	Cht		Dolprim		shale, gry		shale, red
	Congl		Lmst fw<7		Carbon Sh		
	Chtcongl		Lmst fw>7		Shblk		

OTHER SYMBOLS

MISC

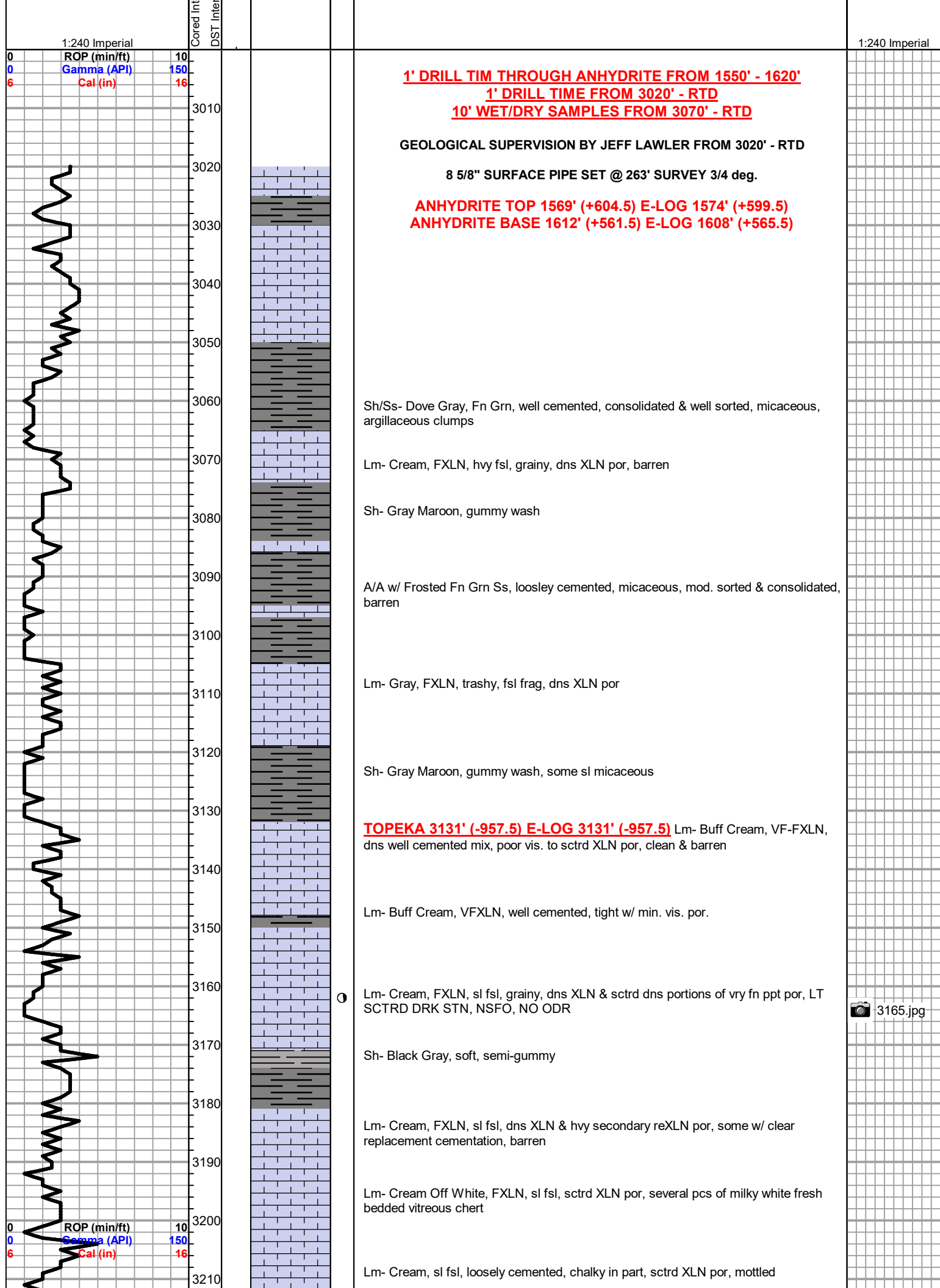
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	Digital Photo
	Document
	Folder
	Link
	Vertical Log File
	Horizontal Log File
	Core Log File
	Drill Cuttings Rpt

DST

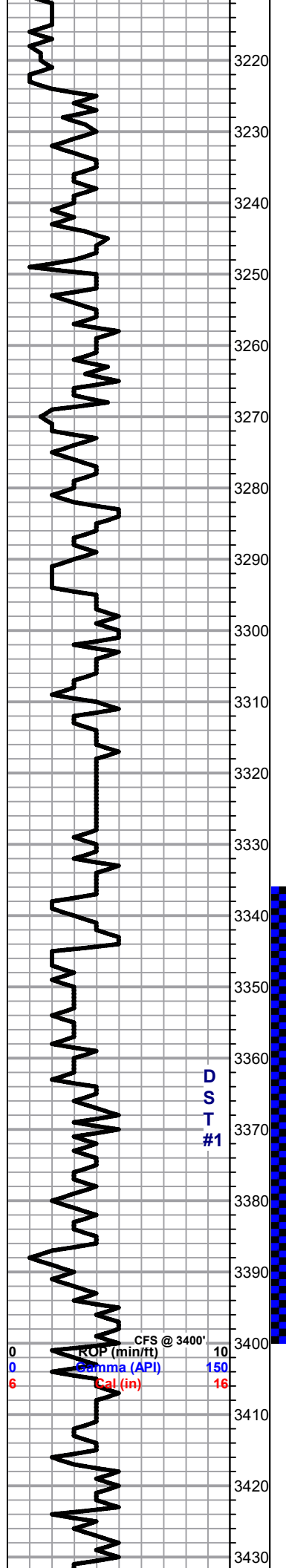
	DST Int
	DST alt

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1	Curve Track #3
ROP (min/ft) Gamma (API) Cal (in)	
Depth Intervals DST Lithology Oil Show Geological Descriptions	



 3165.jpg



A/A w/ influx of white chalk

Sh- Black Gray, fissile & carbonaceous, gummy wash

Sh- Gray, gummy wash, some sandy

Lm- Cream Off White, VFXLN, tight cherty Ls w/ min. vis. por, vry clean & barren

Lm- Cream, FXLN, massive, hvy fsl, dns XLN & sctrd secondary reXLN por, few pcs of cherty Ls, barren

Lm- Cream FXLN, dns, well cemented, sctrd XLN por, barren

Sh- Black Gray, carbonaceous, sl sandy

1 Lm- Cream Off White, FXLN, massive, grainy dolomitic Ls w/ consistent micro XLN & sctrd vry fn ppt por, SCTRDRK STN, HVY OILY SFO, NO ODR, several pcs of tight cherty Ls, some soft white chalk

Lm- Gray, FXLN, fsl fragments, sctrd XLN por, barren

1 Lm- Cream, FXLN, fsl & fusulinids, sctrd XLN & vry fn ppt por, some sctrd reXLN secondary por, SCTRDRK STN, NSFO, NO ODR

Lm- Cream, FXLN, sl fsl, sctrd XLN por, hvy mottled, barren

HEEBNER 3338' (-1164.5) E-LOG 3336' (-1162.5) Sh- Black Gray Maroon,
fissile & carbonaceous, earthy, calcareous & gummy wash

TORONTO 3358' (-1184.5) E-LOG 3358' (-1184.5) Lm- Off White,
MedXLN, massive, oolitic & sctrd oomoldic, well developed w/ consistent fn ppt por,
LT STN, OILY SHEEN, NSFO, WK ODR

Lm- Off White, VF-FXLN, dns, well cemented, fsl w/ sctrd XLN por, barren

LKC 3379' (-1205.5) E-LOG 3376' (-1202.5) Lm- Off White, F-MEDXLN, oolitic & sl fsl, mod. well dev. w/ consistent interoolite fn ppt por, LT SCTRD STN, NSFO, GD ODR, some sctrd reXLN w/in por.

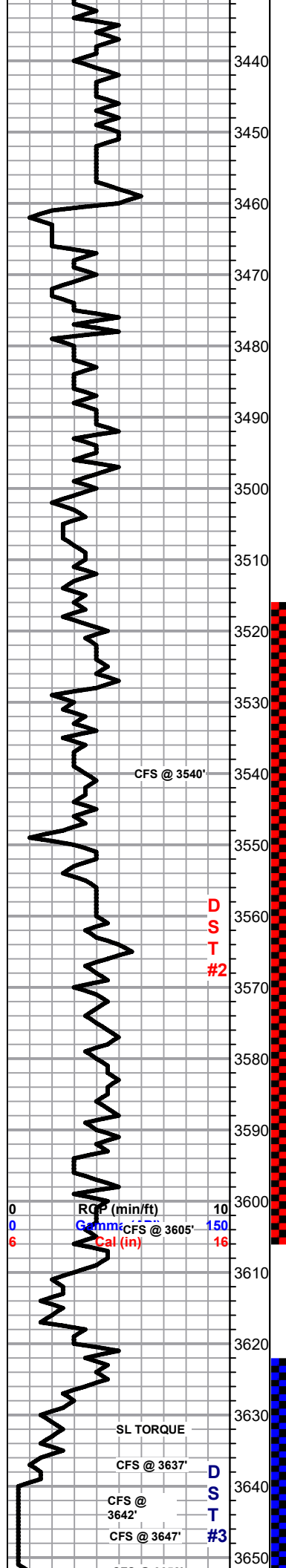
Chert/Dol- Cream Buff Milky White, mix of tight dolomitic Ls w/ microXLN por & sl fsl
fresh bedded vitreous chert w/ no vis. por

Lm/Chert- Milky Gray Cream, VFXLN, mix of tight cherty Ls & fresh bedded vitreous chert

○ Lm- Cream Off White, VF-FXLN, sl fsl, sctrd XLN & sctrd secondary (fractured??)
por, 1-2 PCS W/ TR EDGE STN, NSFO, NODR

Lm- Cream, FXLN, oolitic & fsl, few loose crinoids, sctrd-dns XLN por, some reXLN w/in por. LT STN. NSFO. FR ODR

● Lm-Off White, MedXLN, oolitic w/ fusulinids, sctrd XLN & monstly consistent fn ppt
D inter oolite por, LT SCTRD STN BLK DO STN, NSFO, FR ODR, 1/2 OF SAMPLES
HAD BLK DO STN



Lm- Cream, FXLN, fsl & sl oolitic, dns XLN por, LT STN, NSFO, FR ODR

3436.jpg

Sh- Maroon Gray Purple, earth, calcareous, gummy wash

Lm- Off White, FXLN, fsl w/ fusulinids, dns XLN & sctrd vry fn ppt por, LT WASHED OUT STN, NSFO, TR PUNGENT ODR, SOME W/ BLK DO STN

3455.jpg

Lm- Tan, VFXLN, dns, vry well cemented sl dolomitic mudstone & massive, oolitic, sctrd micro XLN & rare vry fn ppt por, SCTRD BLK DO EDGE STN, NSFO, TR ODR

3465'.jpg

Lm/Chert- Off White Milky White, oolitic mix of VF-FXLN Ls w/ sctrd micro XLN to XLN por, chalky in part, mostly tight & fresh bedded vitreous chert, all vry clean & barren

Lm- Off White, VFXLN, dns, brittle cherty Ls w/ sctrd micro XLN & XLN por, tight, vry clean & barren

Sh- Black Gray Maroon, fissile & carbonaceous, gummy washy, earthy

Lm- Off White, FXLN, loosely cemented, chalky in part, sl fsl w/ sctrd XLN por, some tight cherty Ls, all clean & barren

Lm- Cream Off White, VF-FXLN, dns, mostly tight w/ sctrd micro XLN por, barren

Sh- Gray Maroon, gummy wash, blocky & waxy

Lm- Cream Tan, VFXLN, dns, sctrd-dns micro XLN por, LT BRWN STN, NSFO, TR ODR

3535.jpg

Lm- Cream Off White, FXLN, fsl & oolitic, few pcs sl oomoldic, sctrd-dns XLN & sctrd ppt por, LT SCTRD STN, 1 PC W/ TR FO, STRNG ODR

3540.jpg

A/A better developed w/ more consistent XLN & fn ppt por, SCTRD DRK STN, NSFO, GD ODR

Lm- Off White, F-MedXLN, oolitic sl dolomitic Ls w/ consistent XLN & sctrd vry fn ppt interoolite por, SCTRD DRK STN, 1-2 PCS W/ TR FO, FR ODR

3572.jpg

Lm- Cream Off White, FXLN, fsl & sl oolitic, dns XLN por, clean & barren

Sh- Black Gray, fissile & carbonaceous, waxy, friable & pebbly

Lm- Cream Tan, FXLN, fsl & sl oolitic, sctrd XLN por, chalky in part, several pcs of chert & cherty Ls w/o vis. por, barren

BKC 3598' (-1424.4) E-LOG 3593' (-1419.5) Sh- Gray, calcareous

Sh- Gray Maroon Green, calcareous gummy wash, semi-waxy, earthy, calcareous

Conglomerate Ls/Chert- trashy semi-clastic, fsl w/ fusulinids & sl oolitic, chalky, loosely cemented, poor vis. por, several pcs of loosely cemented chalky Ls w/ fn grn rounded qtz. inclusions, poor vis. por., few pcs of conglomerate chert

CONGLOMERATE 3632' (-1458.5) E-LOG 3629' (-1455.5) Lm- white, A/A w/ white milky white conglomerate chert & few pcs of dolomitic Ls w/ sctrd XLN por, barren

3642'- Conglomerate chert- mostly tan detrital well cemented cong. chert, few pcs sl dolomitic, few oolitic fresh bedded, few sl sandy

3647'- A/A w/ SAT BLK DO STN, NSFO, FR PUNGENT ODR

3652'- A/A w/ pyrite inclusions, STN A/A, some loose pyrite, several pcs of salmon

3647.jpg

SHORT TRIP
SURVEY 3/4 deg.

DST #2 LKC I-L
3516' - 3605'
30-30-30-45

150' OSMW
(65% W, 35% M)

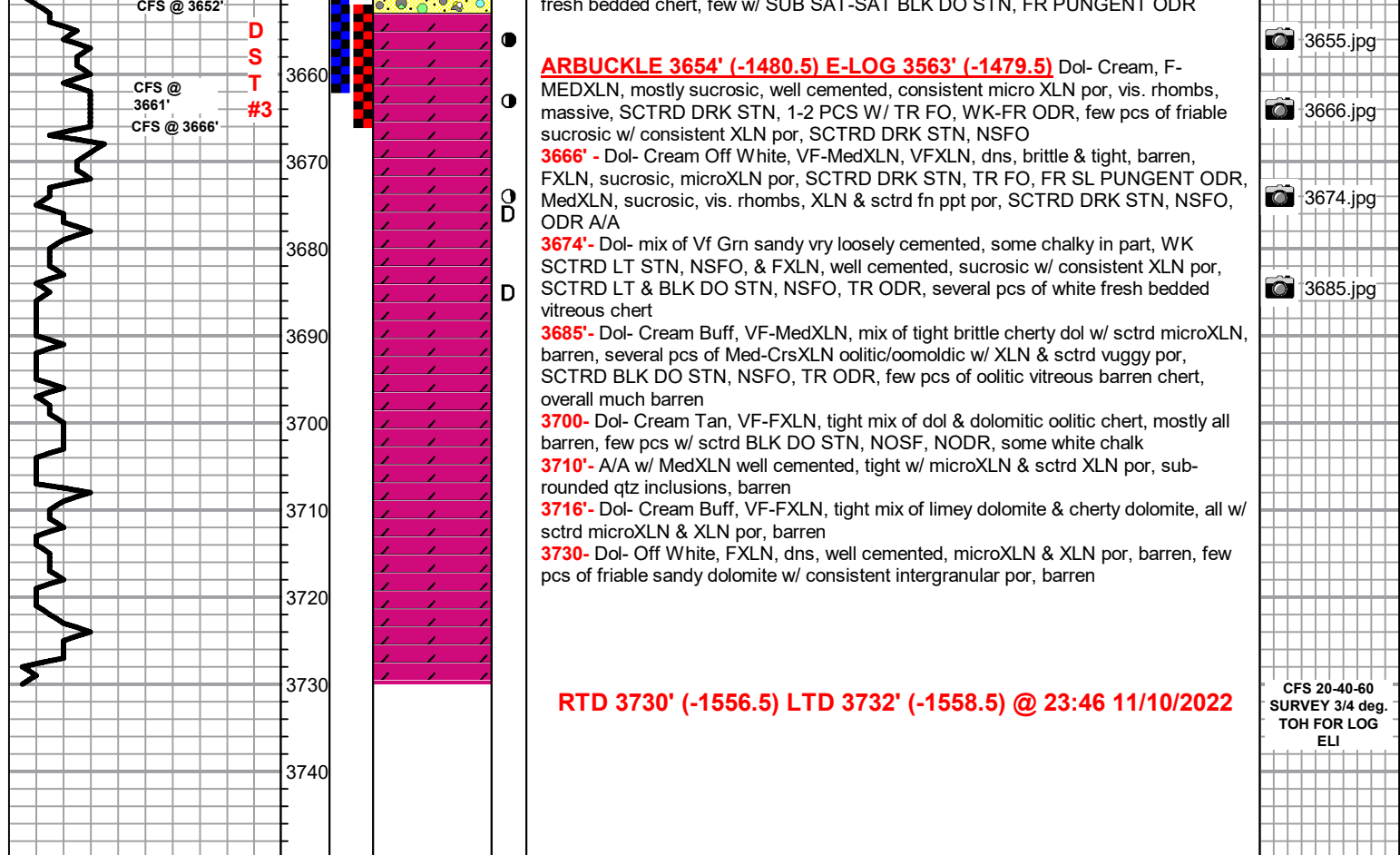
IFP: 21-69#
FFP: 73-108#
SIP: 475-475#
CHLOR: 27K

DST #3
ARBUCKLE
3623' - 3661'
30-30-30-30

5' MUD

IFP: 2-23#
FFP: 22-32#
SIP: 105-168#
BHT: 98 deg.

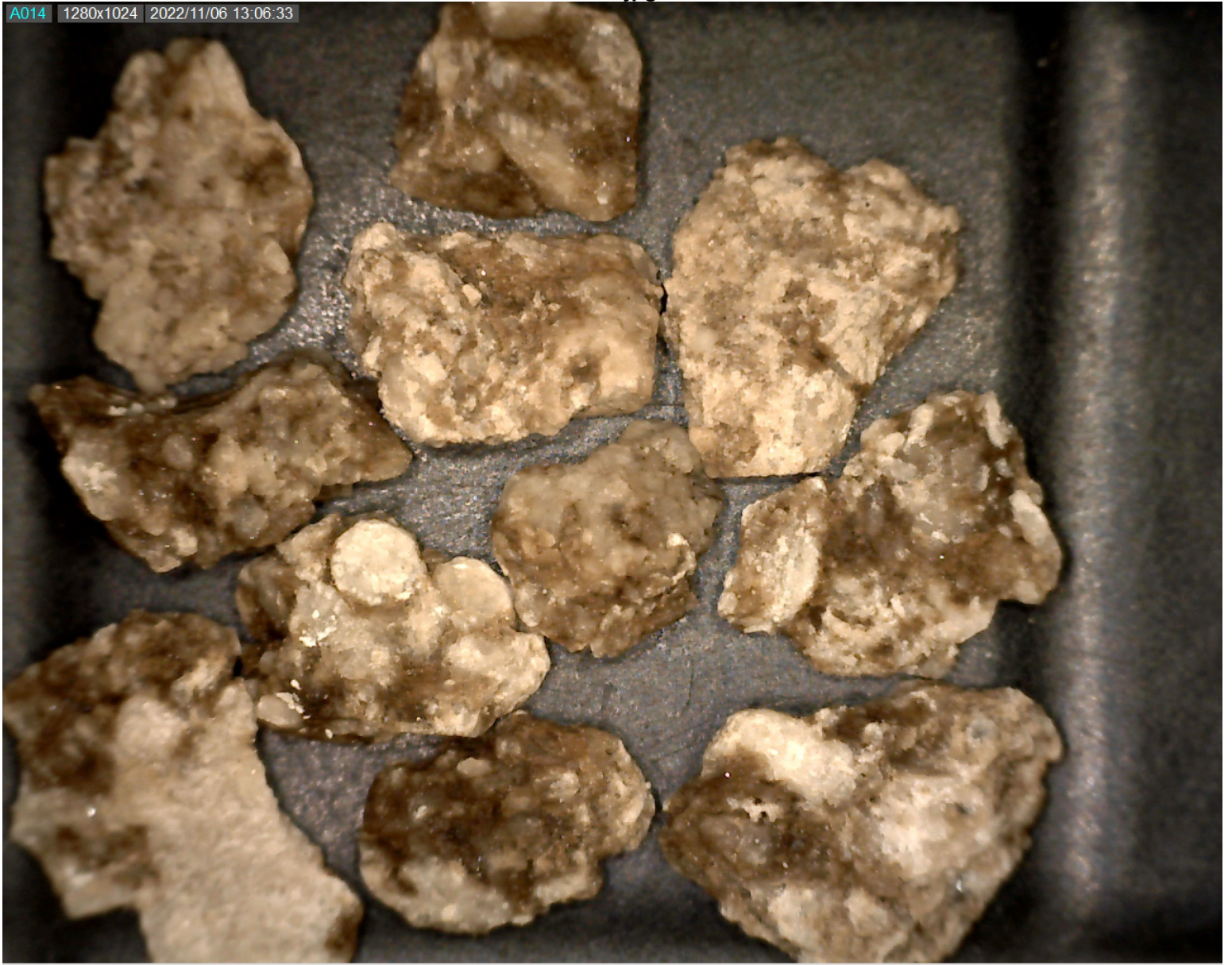
DST #4
ARBUCKLE
3653' - 3666'
MISRUN















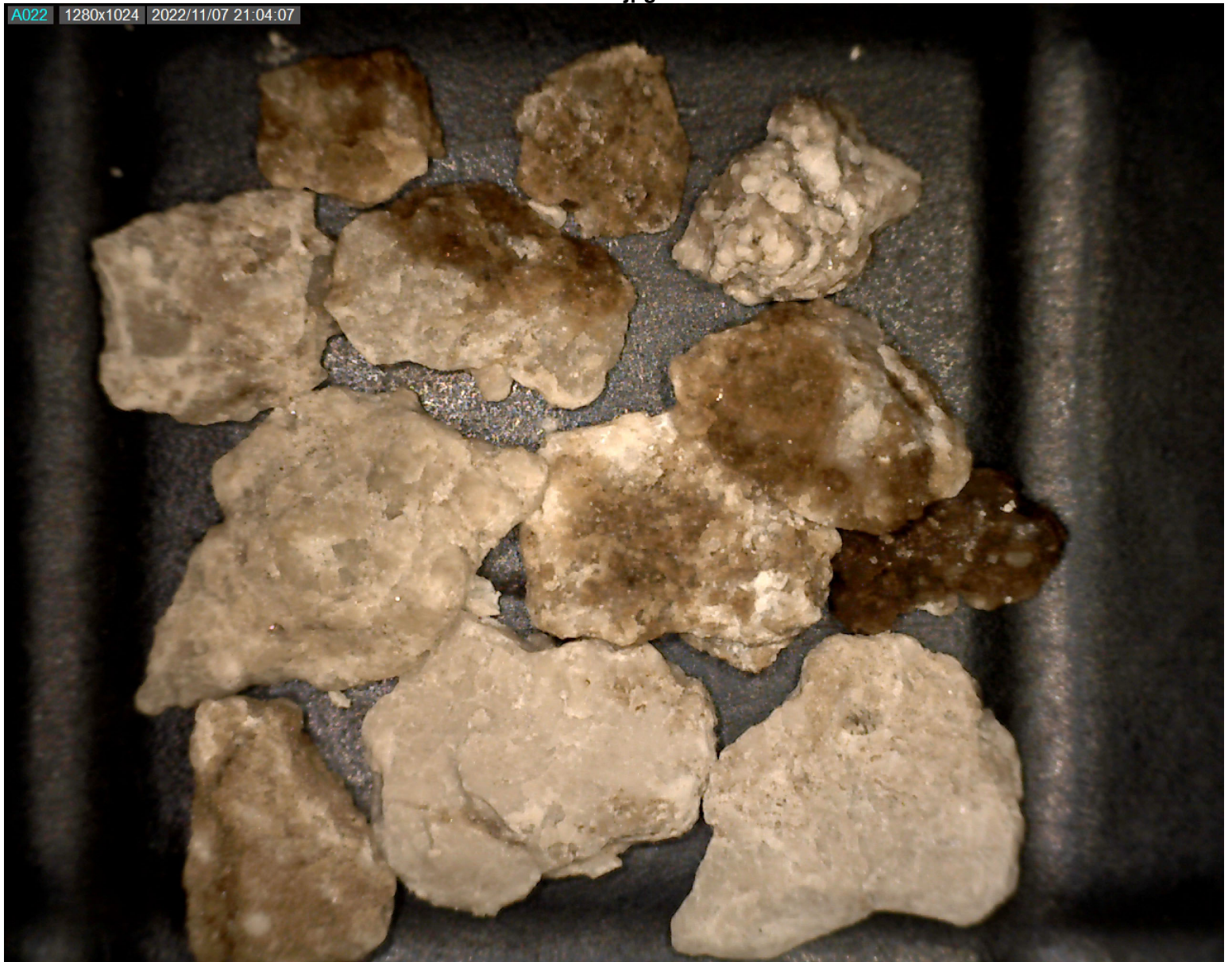
























QUALITY OILWELL CEMENTING, INC.

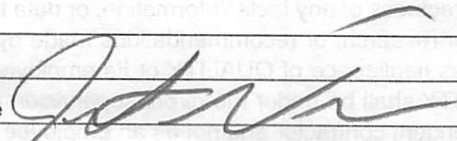
Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 3275

Cell 785-324-1041

Date <u>11-2-75</u>	Sec.	Twp.	Range	County <u>ROCKS</u>	State <u>KS</u>	On Location	Finish <u>3:00pm</u>
				Location <u>ZURICH 1W 1/2 N</u>			
Lease <u>LIZA</u>		Well No. <u>2</u>		Owner			
Contractor <u>STP</u>				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 <u>SURFACE</u>				Charge To <u>JASPER CO.</u>			
Hole Size <u>12 1/4</u>		T.D. <u>263</u>		Street			
Csg. <u>8 5/8</u>		Depth		City			
Tbg. Size		Depth		State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <u>15</u>		Shoe Joint		Cement Amount Ordered <u>165 80/20 3-2</u>			
Meas Line		Displace <u>15 3/4</u>					
EQUIPMENT				Common <u>132</u>			
Pumptrk <u>16</u>	No.	Cementer	<u>Bill</u>	Poz. Mix <u>33</u>			
Bulktrk	No.	Driver	<u>WICK</u>	Gel. <u>3</u>			
Bulktrk <u>17</u>	No.	Driver	<u>BRYANT</u>	Calcium <u>6</u>			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<u>Set c 263</u>				Handling <u>174</u>			
<u>Cement w/</u>				Mileage			
<u>pump plug w/ 15 3/4 bbls</u>				FLOAT EQUIPMENT			
<u>Cement DID CIRE</u>				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>35</u>			
				Tax			
				Discount			
				Total Charge			
				<u>Thanks</u>			

X
Signature

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

– **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

– **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

– **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

– **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

– **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

– **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. **3285**

Date	11-10-22	Sec.	29	Twp.	9	Range	19	County	ROOKS	State	KS	On Location		Finish	3:00pm
------	----------	------	----	------	---	-------	----	--------	-------	-------	----	-------------	--	--------	--------

Location **ZORICH 1W 1N**

Lease	LIZA		Well No.	2	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.	
Contractor	STP				Charge To	JASPER CO.	
Type Job	PTA				Csg.	Depth	Street
Hole Size	7 7/8		T.D.		Tbg. Size	Depth	City State
Tool			Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
Cement Left in Csg.			Shoe Joint		Cement Amount Ordered	290 60/40 4 7/6 6 2	
Meas Line	Displace				4# FLO SEAL		

EQUIPMENT

Pumptrk	16	No.	Cementer Helper	BILL	Common	175
Bulktrk		No.	Driver	JORDAN	Poz. Mix	115
Bulktrk	1	No.	Driver	ROSS	Gel.	10
			Driver		Calcium	

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole	30	Salt	
Mouse Hole		Flowseal	75#
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	300
		Mileage	

FLOAT EQUIPMENT

		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
		WOOD Plug - 8 1/2	
		Pumptrk Charge	plug
		Mileage	35

X
Signature

[Signature]

Thanks

Tax
Discount
Total Charge

GENERAL TERMS AND CONDITIONS

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DRILL STEM TEST REPORT

Prepared For: **Jaspar Co.**

PO Box 1120
Hays, KS 67601

ATTN: Jeff Lawler

Liza #2

29-9S-19W Rooks,KS

Start Date: 2022.11.06 @ 21:48:00

End Date: 2022.11.07 @ 05:04:00

Job Ticket #: 69884 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.11.10 @ 16:09:37



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 69884

DST#: 1

ATTN: Jeff Lawler

Test Start: 2022.11.06 @ 21:48:00

GENERAL INFORMATION:

Formation: **Toronto- LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:04:30

Time Test Ended: 05:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: **3336.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2173.50 ft (KB)

2166.50 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6625 Inside

Press@RunDepth: 88.05 psig @ 3337.00 ft (KB)

Start Date: 2022.11.06

End Date:

2022.11.07

Start Time: 21:48:05

End Time:

05:03:59

Capacity: 8000.00 psig

Last Calib.: 2022.11.06

Time On Btm: 2022.11.07 @ 00:01:45

Time Off Btm: 2022.11.07 @ 02:05:15

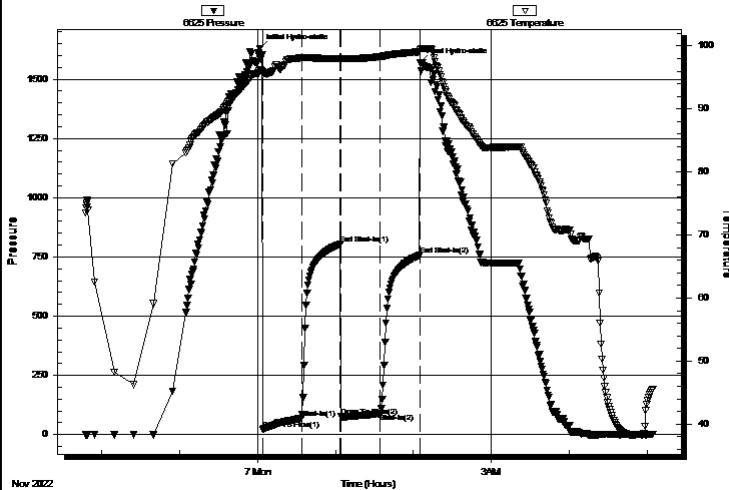
TEST COMMENT: IF-30- Built to 3 3/4"

SI1-30- No return

FF-30- Built to 3 3/4"

SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.16	96.21	Initial Hydro-static
3	21.09	95.72	Open To Flow (1)
33	69.44	98.11	Shut-In(1)
62	803.44	97.95	End Shut-In(1)
63	77.52	97.97	Open To Flow (2)
93	88.05	98.29	Shut-In(2)
123	756.56	99.07	End Shut-In(2)
124	1569.97	99.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
148.00	V/SOWCM 1% oil 34% water 65% mud	1.00
15.00	mud w/oil spots 100% mud	0.21

Gas Rates

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

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 69884

DST#: 1

ATTN: Jeff Lawler

Test Start: 2022.11.06 @ 21:48:00

GENERAL INFORMATION:

Formation: **Toronto- LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:04:30

Time Test Ended: 05:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3336.00 ft (KB) To 3400.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2173.50 ft (KB)

2166.50 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8167 Outside

Press@RunDepth: psig @ 3337.00 ft (KB)

Start Date: 2022.11.06

End Date:

2022.11.07

Start Time: 21:48:05

End Time:

05:03:59

Capacity: 8000.00 psig

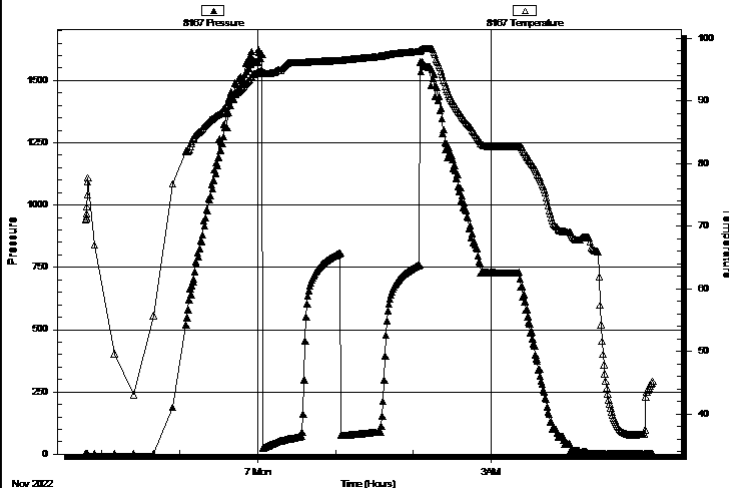
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 3 3/4"
SI1-30- No return
FF-30- Built to 3 3/4"
SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
148.00	V/SOWCM 1% oil 34% water 65% mud	1.00
15.00	mud w/oil spots 100% mud	0.21

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co.

29-9S-19W Rooks,KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 69884

DST#: 1

ATTN: Jeff Lawler

Test Start: 2022.11.06 @ 21:48:00

Tool Information

Drill Pipe:	Length:	3208.00 ft	Diameter:	3.80 inches	Volume:	45.00 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	75000.00 lb
					Total Volume:	45.58 bbl	Tool Chased	ft
Drill Pipe Above KB:		16.00 ft					String Weight: Initial	50000.00 lb
Depth to Top Packer:		3336.00 ft					Final	50000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		64.00 ft						
Tool Length:		90.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3311.00		
shut In Tool	5.00			3316.00		
hydraulic tool	5.00			3321.00		
EM Tool	3.00			3324.00		
safety Joint	3.00			3327.00		
Packer	5.00			3332.00	26.00	Bottom Of Top Packer
Packer	4.00			3336.00		
Stubb	1.00			3337.00		
Recorder	0.00	6625	Inside	3337.00		
Recorder	0.00	8167	Outside	3337.00		
perforations	23.00			3360.00		
change Over Sub	1.00			3361.00		
drill Pipe	32.00			3393.00		
change Over Sub	1.00			3394.00		
perforations	2.00			3396.00		
Bullnose	4.00			3400.00	64.00	Bottom Packers & Anchor
Total Tool Length:	90.00					



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 69884

DST#: 1

ATTN: Jeff Lawler

Test Start: 2022.11.06 @ 21:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 18000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
148.00	VSOWCM 1% oil 34% water 65% mud	1.001
15.00	mud w/oil spots 100% mud	0.210

Total Length: 163.00 ft

Total Volume: 1.211 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 4#

Serial #: 6625

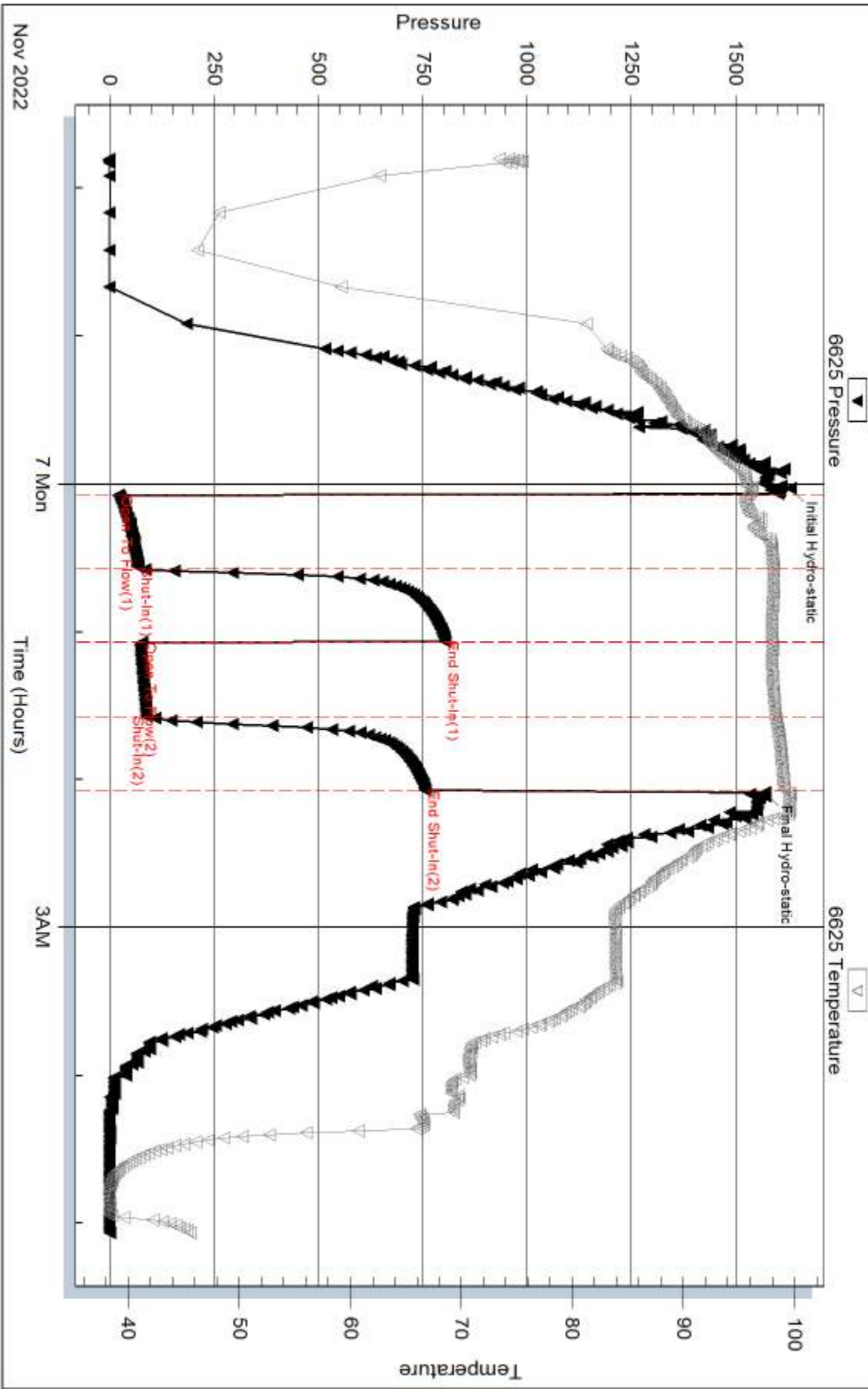
Inside

Jaspar Co.

Liqa #2

DST Test Number: 1

Pressure vs. Time

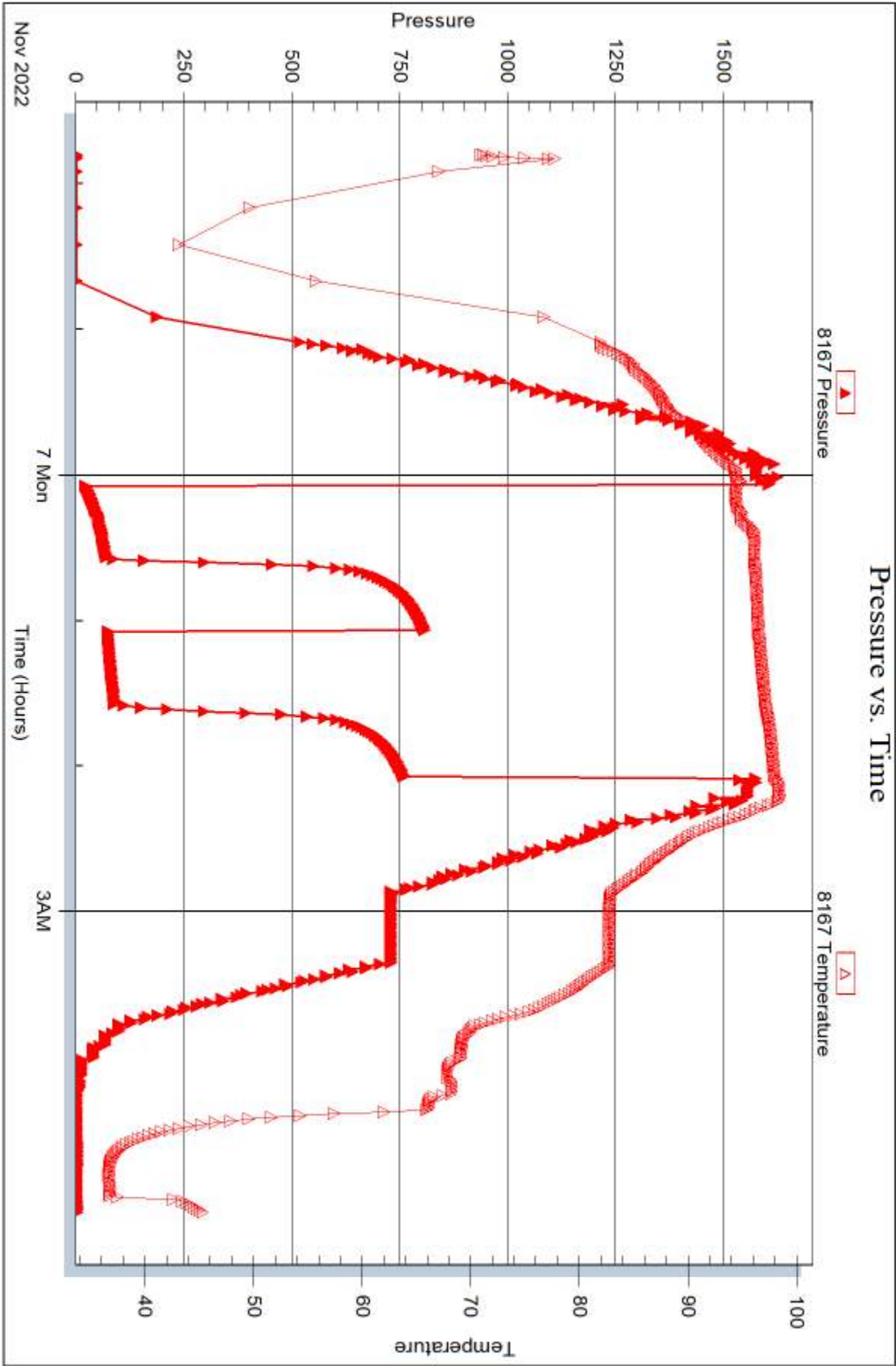


Serial #: 8167

Outside Jasper Co.

Liza #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Jaspar Co.**

PO Box 1120
Hays, KS 67601

ATTN: Jeff Lawler

Liza #2

29-9S-19W Rooks,KS

Start Date: 2022.11.08 @ 05:10:00

End Date: 2022.11.08 @ 11:41:45

Job Ticket #: 70186 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.11.10 @ 16:07:13



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70186

DST#: 2

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 05:10:00

GENERAL INFORMATION:

Formation: **LKC I-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:21:45

Time Test Ended: 11:41:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3516.00 ft (KB) To 3605.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2173.50 ft (KB)

2166.50 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: 107.50 psig @ 3517.00 ft (KB)

Start Date: 2022.11.08

End Date:

2022.11.08

Start Time: 05:10:05

End Time:

11:41:44

Capacity: 8000.00 psig

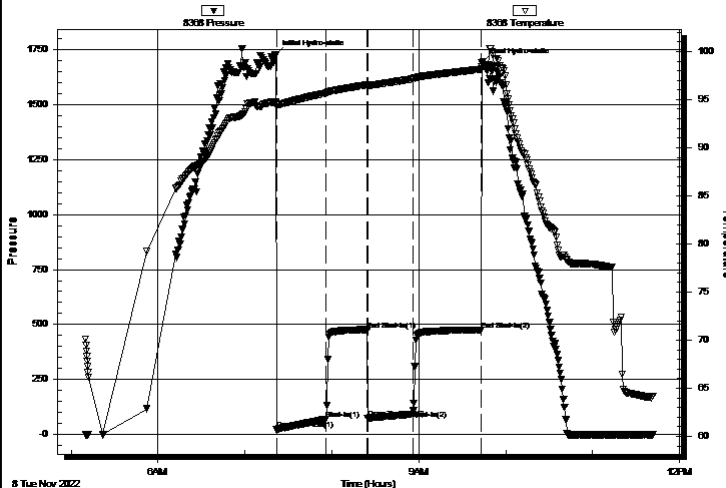
Last Calib.: 2022.11.08

Time On Btm: 2022.11.08 @ 07:21:30

Time Off Btm: 2022.11.08 @ 09:43:30

TEST COMMENT: IF-30-4 Inches
IS-30-No return
FF-30-Surface blow
FS-45-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1725.88	94.76	Initial Hydro-static
1	21.44	94.29	Open To Flow (1)
35	69.49	95.67	Shut-In(1)
63	474.99	96.54	End Shut-In(1)
64	73.17	96.41	Open To Flow (2)
95	107.50	97.16	Shut-In(2)
142	475.44	98.16	End Shut-In(2)
142	1690.17	98.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	OSMW 35%MUD 65%WATER	1.03

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W Rooks,KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70186

DST#: 2

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 05:10:00

GENERAL INFORMATION:

Formation: **LKC I-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:21:45

Time Test Ended: 11:41:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3516.00 ft (KB) To 3605.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2173.50 ft (KB)

2166.50 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8957

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.11.08

End Date:

2022.11.08

Start Time: 05:10:01

End Time:

11:41:53

Capacity: 8000.00 psig

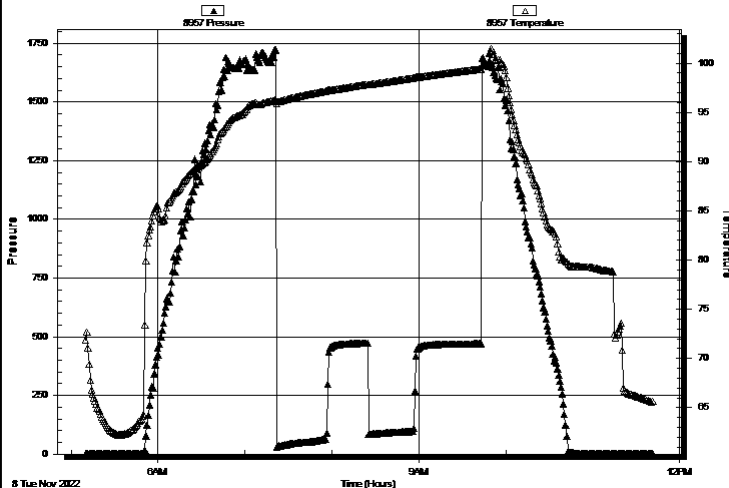
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30-4 Inches
IS-30-No return
FF-30-Surface blow
FS-45-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	OSMW 35%MUD 65%WATER	1.03

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co.

29-9S-19W Rooks,KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70186

DST#: 2

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 05:10:00

Tool Information

Drill Pipe:	Length:	3391.00 ft	Diameter:	3.80 inches	Volume:	47.57 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	54000.00 lb
					Total Volume:	48.15 bbl	Tool Chased	ft
Drill Pipe Above KB:		24.00 ft					String Weight: Initial	53000.00 lb
Depth to Top Packer:		3516.00 ft					Final	54000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		89.00 ft						
Tool Length:		120.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3486.00	
Shut In Tool	5.00		3491.00	
Hydraulic tool	5.00		3496.00	
Jars	5.00		3501.00	
EM Tool	3.00		3504.00	
Safety Joint	3.00		3507.00	
Packer	5.00		3512.00	31.00 Bottom Of Top Packer
Packer	4.00		3516.00	
Stubb	1.00		3517.00	
Recorder	0.00	8368 Inside	3517.00	
Recorder	0.00	8320 Outside	3517.00	
Perforations	10.00		3527.00	
Change Over Sub	1.00		3528.00	
Drill Pipe	63.00		3591.00	
Change Over Sub	1.00		3592.00	
Perforations	10.00		3602.00	
Bullnose	3.00		3605.00	89.00 Bottom Packers & Anchor
Total Tool Length:	120.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70186

DST#: 2

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 05:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 7.99 in³

Resistivity: 0.28 ohm.m

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

65 deg API

27000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	OSMW 35%MUD 65%WATER	1.029

Total Length: 150.00 ft

Total Volume: 1.029 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

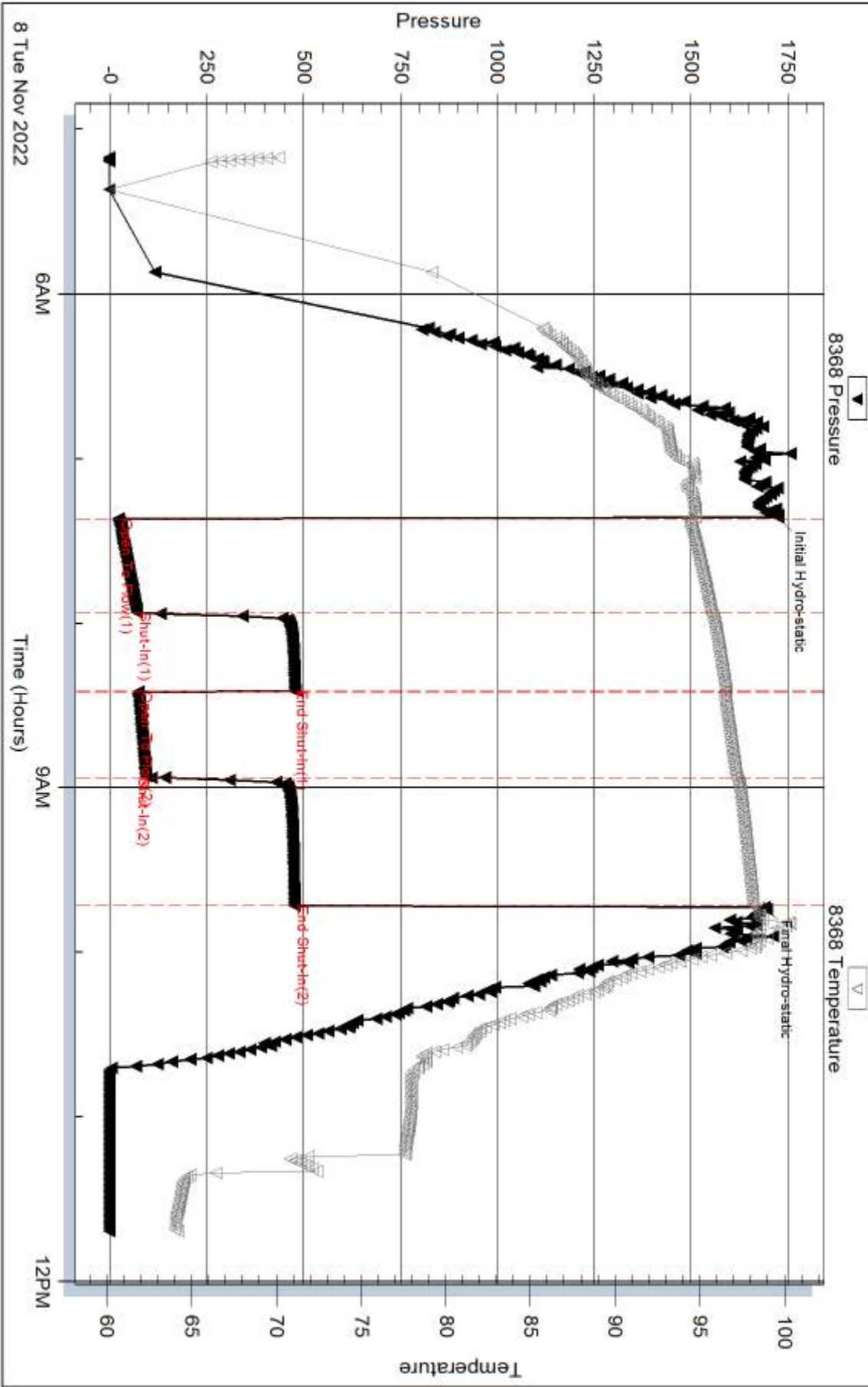
Serial #: 8368

Inside Jasper Co.

Liqa #2

DST Test Number: 2

Pressure vs. Time

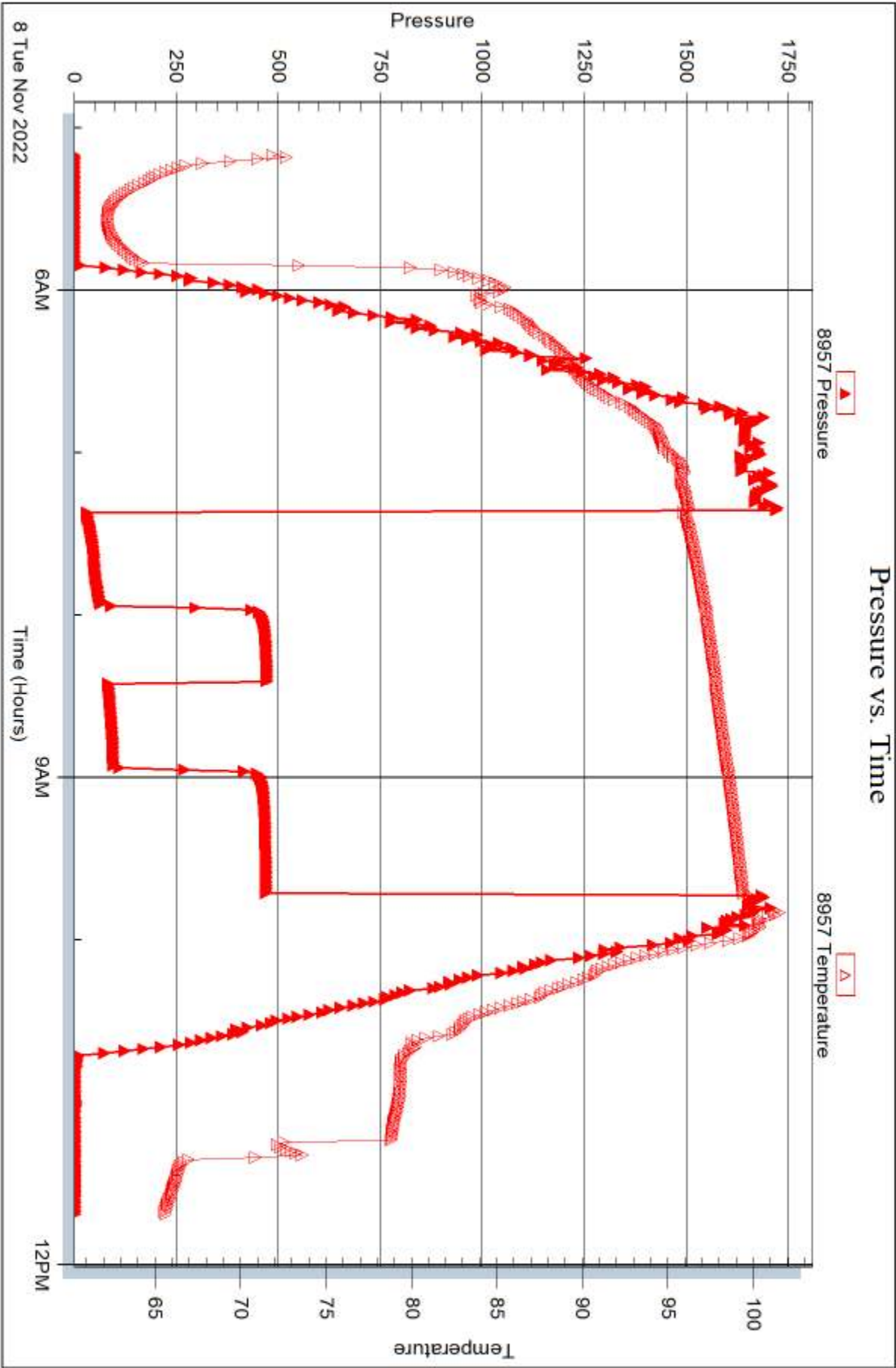


Serial #: 8957

Jaspar Co.

Liza #2

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Jaspar Co.**

PO Box 1120
Hays, KS 67601

ATTN: Jeff Lawler

Liza #2

29-9S-19W Rooks,KS

Start Date: 2022.11.08 @ 23:40:00

End Date: 2022.11.09 @ 07:07:00

Job Ticket #: 70187 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.11.10 @ 16:04:22



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70187

DST#: 3

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 23:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:34:30

Time Test Ended: 07:07:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3623.00 ft (KB) To 3661.00 ft (KB) (TVD)

Reference Elevations: 2173.50 ft (KB)

Total Depth: 3400.00 ft (KB) (TVD)

2166.50 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: 31.96 psig @ 3628.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.11.08

End Date:

2022.11.09

Last Calib.: 2022.11.09

Start Time: 23:40:05

End Time:

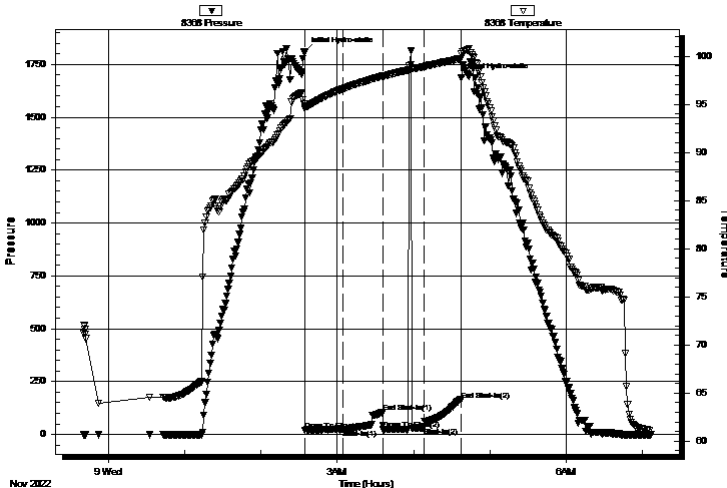
07:06:59

Time On Btm: 2022.11.09 @ 02:34:15

Time Off Btm: 2022.11.09 @ 04:37:45

TEST COMMENT: IF-30-1/2 Inch
IS-30-No return
FF-30-No blow
FS-30-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.25	95.08	Initial Hydro-static
1	20.52	94.51	Open To Flow (1)
30	23.34	96.58	Shut-In(1)
62	105.08	97.91	End Shut-In(1)
62	22.52	97.91	Open To Flow (2)
94	31.96	98.91	Shut-In(2)
124	163.23	99.75	End Shut-In(2)
124	1688.32	100.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70187

DST#: 3

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 23:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:34:30

Time Test Ended: 07:07:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3623.00 ft (KB) To 3661.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2173.50 ft (KB)

2166.50 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8957

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.11.08

End Date:

2022.11.09

Start Time: 23:40:01

End Time:

07:07:10

Capacity: 8000.00 psig

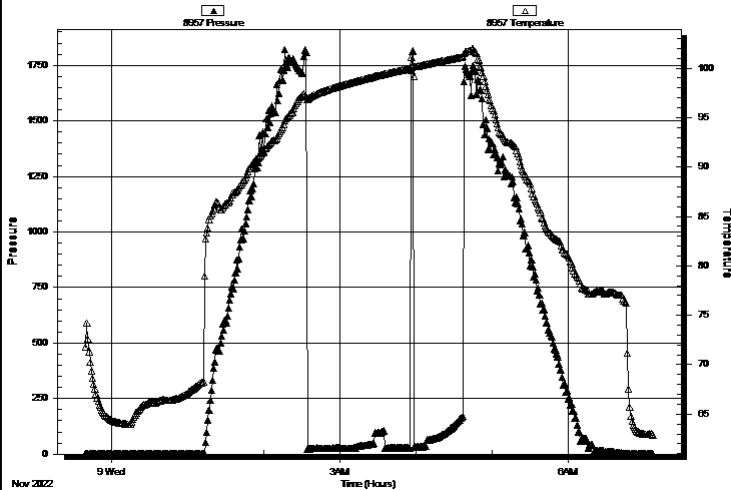
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30-1/2 Inch
IS-30-No return
FF-30-No blow
FS-30-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70187

DST#: 3

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 23:40:00

Tool Information

Drill Pipe:	Length:	3491.00 ft	Diameter:	3.80 inches	Volume:	48.97 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	52000.00 lb
					Total Volume:	49.55 bbl	Tool Chased	ft
Drill Pipe Above KB:		17.00 ft					String Weight: Initial	52000.00 lb
Depth to Top Packer:		3623.00 ft					Final	52000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		38.00 ft						
Tool Length:		69.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3593.00	
Shut In Tool	5.00		3598.00	
Hydraulic tool	5.00		3603.00	
Jars	5.00		3608.00	
EM Tool	3.00		3611.00	
Safety Joint	3.00		3614.00	
Packer	5.00		3619.00	31.00 Bottom Of Top Packer
Packer	4.00		3623.00	
Stubb	1.00		3624.00	
Perforations	4.00		3628.00	
Recorder	0.00	8368 Inside	3628.00	
Recorder	0.00	8320 Outside	3628.00	
Change Over Sub	1.00		3629.00	
Drill Pipe	32.00		3661.00	38.00 Bottom Packers & Anchor

Total Tool Length: 69.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70187

DST#: 3

ATTN: Jeff Lawler

Test Start: 2022.11.08 @ 23:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

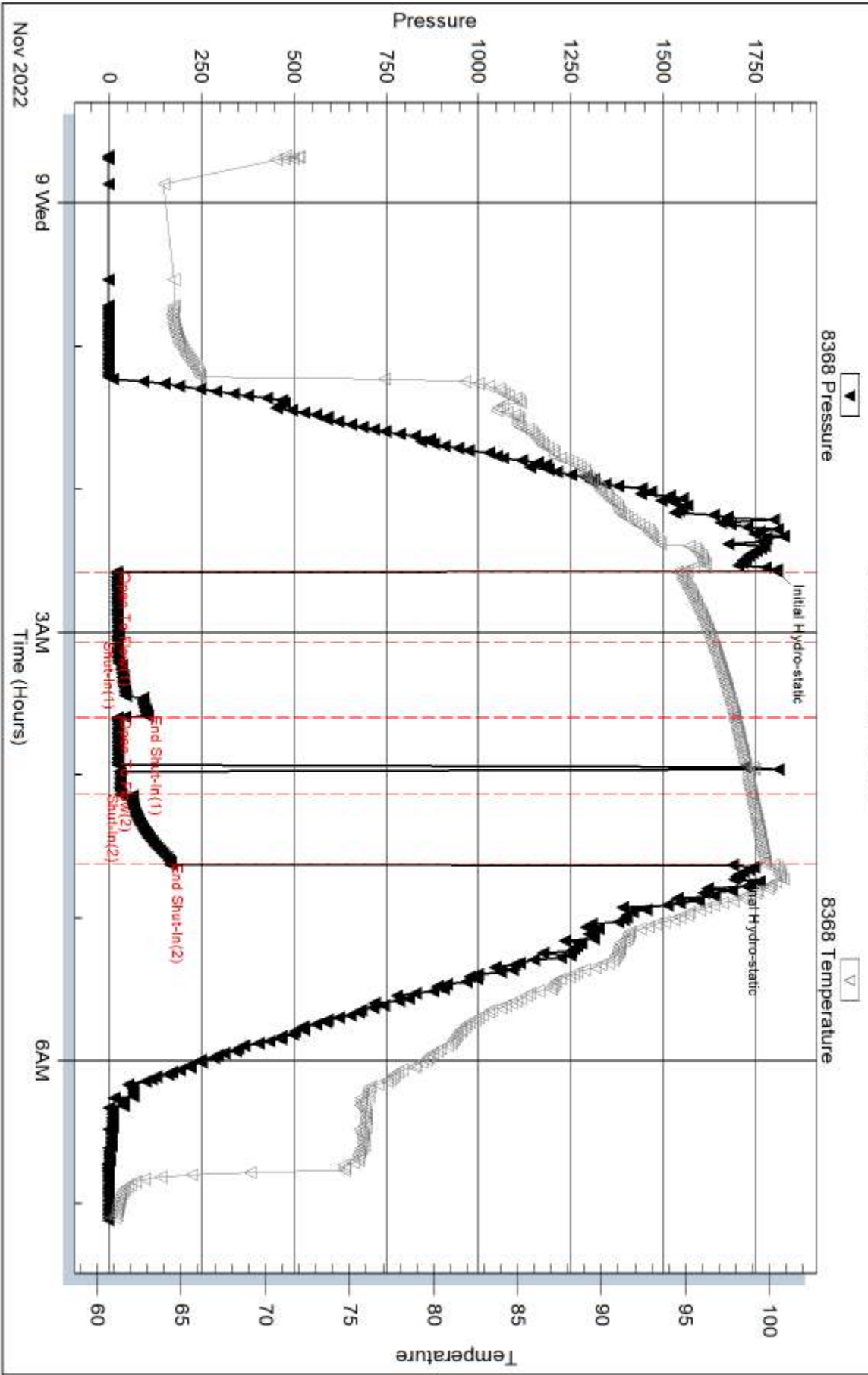
Serial #: 8368

Inside Jasper Co.

Li2a #2

DST Test Number: 3

Pressure vs. Time

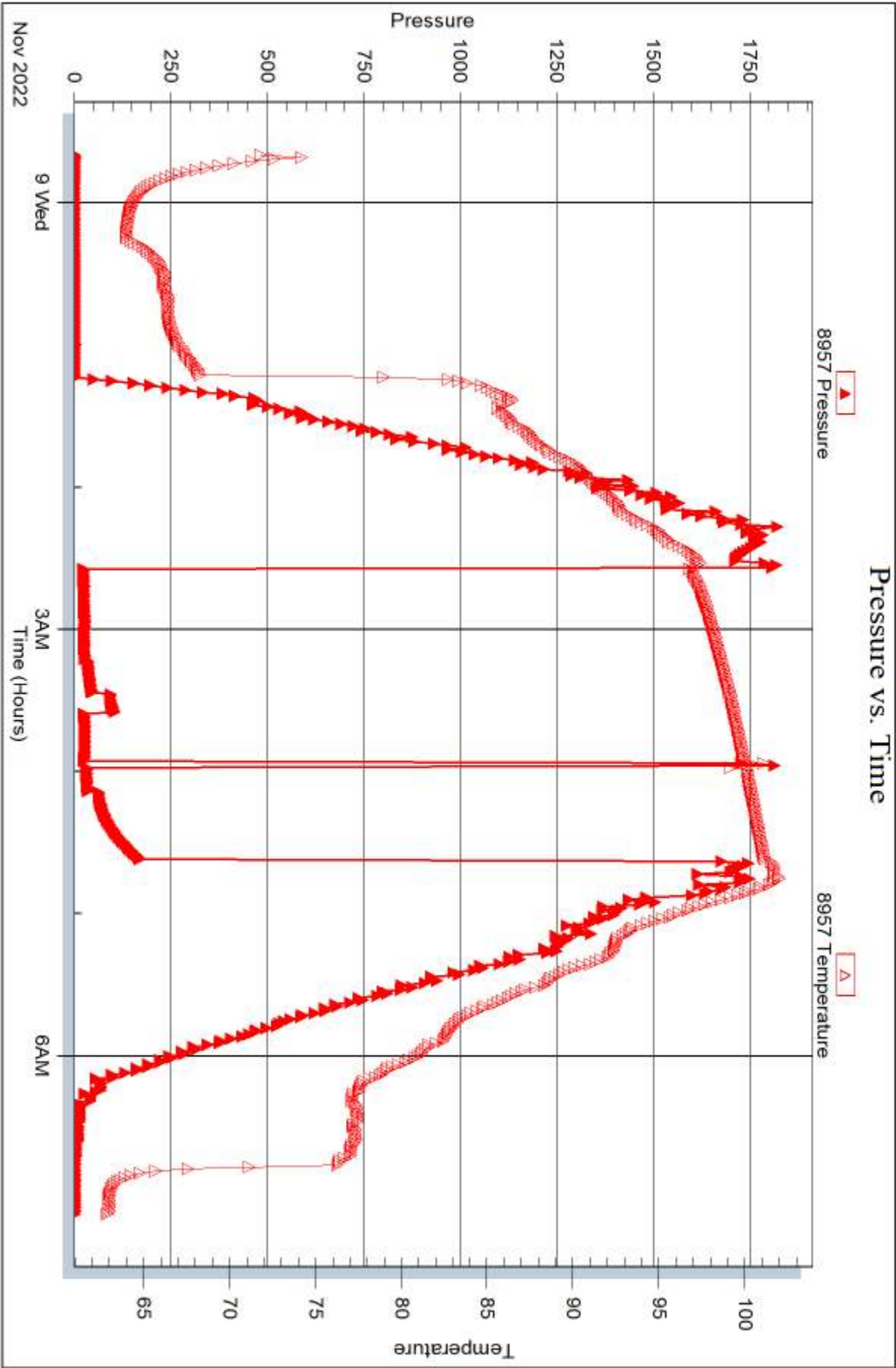


Serial #: 8957

Jaspar Co.

Liza #2

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Jaspar Co.**

PO Box 1120
Hays, KS 67601

ATTN: Jeff Lawler

Liza #2

29-9S-19W Rooks,KS

Start Date: 2022.11.09 @ 12:55:00

End Date: 2022.11.09 @ 18:04:54

Job Ticket #: 70188 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.11.10 @ 16:01:49



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70188

DST#: 4

ATTN: Jeff Lawler

Test Start: 2022.11.09 @ 12:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 18:04:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3652.00 ft (KB) To 3665.00 ft (KB) (TVD)

Total Depth: 3400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2173.50 ft (KB)

2166.50 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8957

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.11.09

End Date:

2022.11.09

Start Time: 12:55:01

End Time:

18:04:55

Capacity: 8000.00 psig

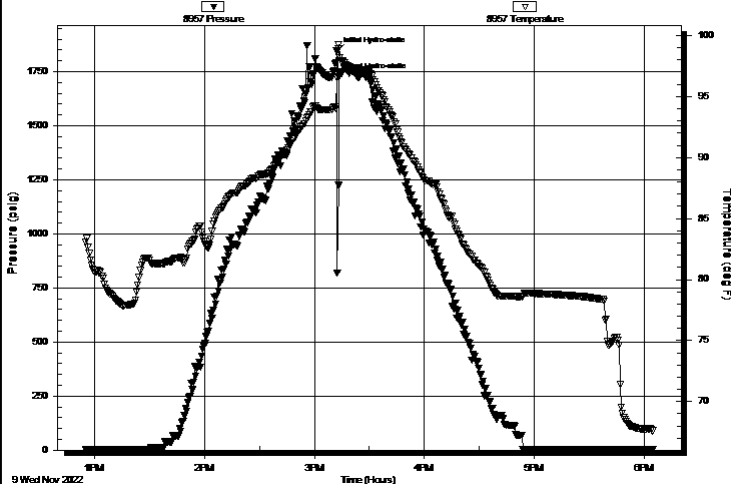
Last Calib.: 2022.11.09

Time On Btm: 2022.11.09 @ 15:12:06

Time Off Btm: 2022.11.09 @ 15:13:06

TEST COMMENT: Packer failure

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1844.25	94.01	Initial Hydro-static
1	1724.55	99.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	MUD	3.55

Gas Rates

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



Test Start: 2022.11.09 @ 12:55:00

KB to GR/CF: 7.00 ft



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co.

29-9S-19W Rooks,KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70188

DST#: 4

ATTN: Jeff Lawler

Test Start: 2022.11.09 @ 12:55:00

Tool Information

Drill Pipe:	Length:	3525.00 ft	Diameter:	3.80 inches	Volume:	49.45 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length:	118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	55000.00 lb
					Total Volume:	50.03 bbl	Tool Chased	ft
Drill Pipe Above KB:		17.00 ft					String Weight: Initial	55000.00 lb
Depth to Top Packer:		3652.00 ft					Final	55000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		13.00 ft						
Tool Length:		39.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3627.00	
shut In Tool	5.00			3632.00	
hydraulic tool	5.00			3637.00	
EM Tool	3.00			3640.00	
safety Joint	3.00			3643.00	
Packer	5.00			3648.00	26.00 Bottom Of Top Packer
Packer	4.00			3652.00	
Stubb	1.00			3653.00	
Recorder	0.00	6625	Inside	3653.00	
Recorder	0.00	8167	Outside	3653.00	
perforations	9.00			3662.00	
Bullnose	3.00			3665.00	13.00 Bottom Packers & Anchor

Total Tool Length: 39.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co.

29-9S-19W Rooks, KS

PO Box 1120
Hays, KS 67601

Liza #2

Job Ticket: 70188

DST#: 4

ATTN: Jeff Lawler

Test Start: 2022.11.09 @ 12:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 8.39 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
330.00	MUD	3.554

Total Length: 330.00 ft

Total Volume: 3.554 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

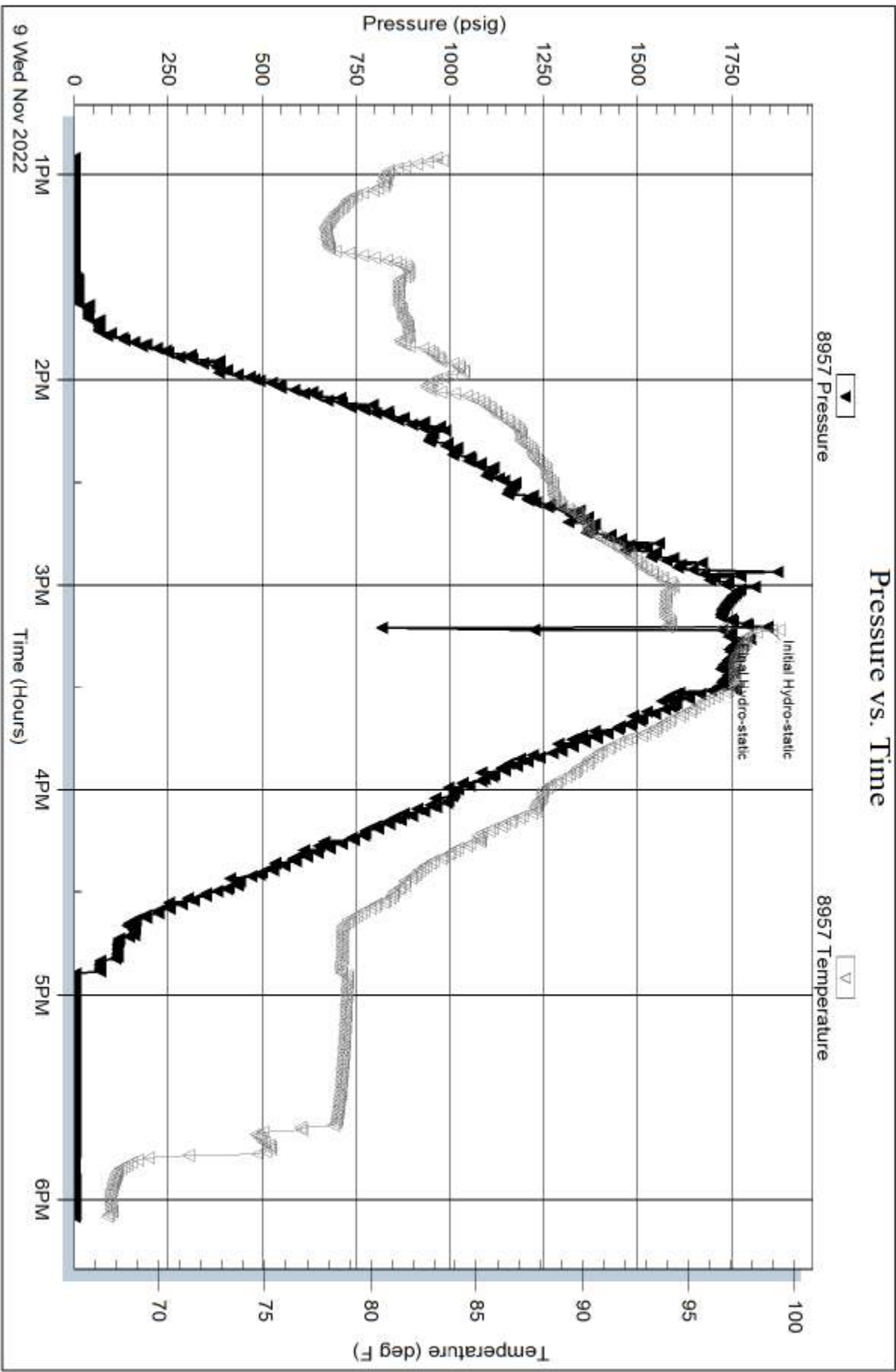
Recovery Comments:

Serial #: 8957

Jaspar Co.

Liqa #2

DST Test Number: 4

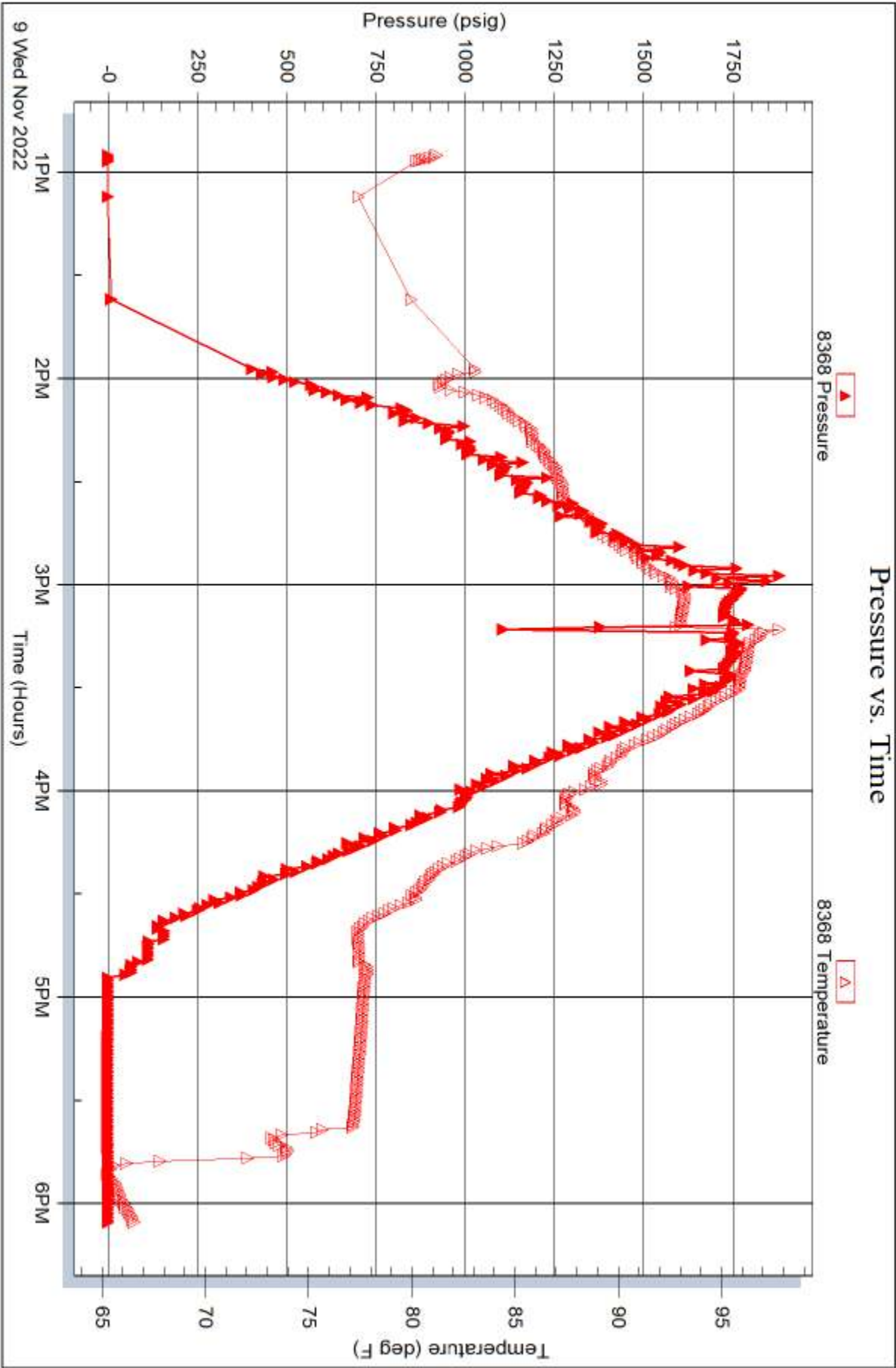


Serial #: 8368

Jaspar Co.

Liza #2

DST Test Number: 4





**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69884**

Well Name & No. Liza #2 Test No. 1 Date 11/6/22
 Company Jaspar Co. Elevation 2173.5 KB 2116.5 GL
 Address PO Box 1120 Hays, KS 67601
 Co. Rep / Geo. Jeff Layler Rig STP Rig #2
 Location: Sec. 29 Twp 9S Rge. 19W Co. Rooks State KS

Interval Tested 3336 ~ 3400 Zone Tested Toronto-LKCA
 Anchor Length 64 Drill Pipe Run 3208 Mud Wt. 8.8
 Top Packer Depth 3331 Drill Collars Run 118 Vls 58
 Bottom Packer Depth 3336 Wt. Pipe Run 0 WL 7.2
 Total Depth 3400 Chlorides 2000 ppm System LCM 4#

Blow Description IF Built to 33 1/4"
S12 - No return
FF - Built to 33 1/4"
S12 - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>148</u>	<u>vsowcm</u>		<u>1</u>	<u>34</u>	<u>65</u>
<u>15</u>	<u>Mud w/ oil spots</u>			<u>100</u>	<u>0</u>

Rec Total 163 BHT 99 Gravity 1800 API RW 7 @ 38 °F Chlorides 18000 ppm
 (A) Initial Hydrostatic 1630 ☒ Test 1800 T-On Location 20:30
 (B) First Initial Flow 21 ☐ Jars T-Started 21:48
 (C) First Final Flow 69 ☒ Safety Joint T-Open 12:05
 (D) Initial Shut-In 803 ☒ Circ Sub MA T-Pulled 02:05
 (E) Second Initial Flow 78 ☐ Hourly Standby T-Out 05:05
 (F) Second Final Flow 88 ☒ Mileage 72 ¹²⁶ Comments
 (G) Final Shut-In 757 ☐ Sampler
 (H) Final Hydrostatic 1570 ☐ Straddle

Initial Open 30 ☒ EM Tool
 Initial Shut-In 30 ☐ Ruined Shale Packer
 Final Flow 30 ☐ Ruined Packer
 Final Shut-In 30 ☐ Extra Packer
☐ Extra Recorder ☐ Extra Copies
☐ Day Standby Sub Total 0
☐ Accessibility Total 1926
 Sub Total 1926 MP/DST Disc't

Approved By Our Representative Duffy
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70186

Well Name & No. Liza # 2 Test No. 2 Date Nov 8, 2022
 Company Jasper Co. Elevation 2173 KB 2166 GL
 Address P.O. Box 1120 Hays, Ks. 67601
 Co. Rep / Geo Jeff Lawler Rig STP # 2
 Location: Sec. 29 Twp 9 Rge. 19 Co. Rooks State KS

Interval Tested 3516-3605 Zone Tested LKC I-L
 Anchor Length 30 89 Drill Pipe Run 3391 Mud Wt. 9
 Top Packer Depth 3511 Drill Collars Run 118 Vis 468
 Bottom Packer Depth 3516 Wt. Pipe Run _____ WL _____
 Total Depth 3605 Chlorides 3500 ppm System LCM 34

Blow Description IF-30-4 inches
IST-30-No Return
ES-30-Surface Blow
FSI-45-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>OS MW</u>			<u>65</u>	<u>35</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT 98 Gravity _____ API RW .28 @ 65 °F Chlorides 27,000 ppm

Initial Hydrostatic 1724 ☒ Test 1800 ☐ Ruined Shale Packer _____

Initial Flow 21 to 69 ☐ Jars _____ ☐ Ruined Packer _____

Initial Shut-In 475 ☐ Circ Sub _____ ☐ Hotel _____

Final Flow 73 to 108 ☐ Hourly Standby _____ ☒ EM Tool Successful -350

Final Shut-In 475 ☒ Mileage 36 x 2 ¹²⁶ ☐ Accessibility _____

Final Hydrostatic 1690 ☐ Sampler _____ ☐ Gas Sample _____

T- On Location 12:30 ☐ Straddle _____ ☐ Sub Total -350

Initial Flow 30 T-Started 5:10 ☐ Shale Packer _____ ☐ Total 1576

Initial Shut-In 30 T-Open 7:25 ☐ Extra Packer _____ ☐ Tool Loaded _____ @ _____

Final Flow 30 T-Pulled 9:40 ☐ Extra Recorder _____ ☐ MP/DST Disc't _____

Final Shut-In 45 T-Out _____ ☐ Day Standby _____

Comments _____

Approved By _____ Our Representative Terrence Wickham

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70187

Well Name & No. Liza # 2 Test No. 3 Date 11-8-22
Company Yagor Co. Elevation 2173 KB 2166 GL
Address P.O. Box 1120 Hays, KS 67601
Co. Rep / Geo Jeff Lawler Rig STP #2
Location: Sec. 29 Twp 9 Rge. 19 Co. ROOKS State KS

Interval Tested 3623-3661 Zone Tested ArbocklP
Anchor Length 38 Drill Pipe Run _____ Mud Wt. 9
Top Packer Depth 3614 Drill Collars Run 118 Vis 46
Bottom Packer Depth 3623 Wt. Pipe Run _____ WL 8
Total Depth 3661 Chlorides 3500 ppm System LCM 34

Blow Description IS-30-1/2 inch
ISI-30-No Return
FF-30-No Blow-Flush Tool-No Blow
FSI-30-No Return

Rec <u>5</u>	Feet of <u>Mod</u>	%gas	%oil	%water	<u>100</u> %mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 5 BHT 98 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

Initial Hydrostatic 1808 ☒ Test 1800 ☐ Ruined Shale Packer _____

Initial Flow 20 to 23 ☐ Jars _____ ☐ Ruined Packer _____

Initial Shut-In 105 ☐ Circ Sub _____ ☐ Hotel _____

Final Flow 22 to 32 ☐ Hourly Standby _____ ☐ EM Tool Successful -350

Final Shut-In 163 ☒ Mileage 36X2 126 ☐ Accessibility _____

Final Hydrostatic 1684 ☐ Sampler _____ ☐ Gas Sample _____

T- On Location 10 22:00 ☐ Straddle _____ ☐ Sub Total -350

Initial Flow 30 T-Started 23:40 ☐ Shale Packer _____ ☐ Total 1576

Initial Shut-In 30 T-Open 2:34 ☐ Extra Packer _____ ☐ Tool Loaded _____ @ _____

Final Flow 30 T-Pulled 4:34 ☐ Extra Recorder _____ ☐ MP/DST Disc't _____

Final Shut-In 30 T-Out 7:10 ☐ Day Standby _____

Comments _____

Approved By _____ Our Representative Terrence Wickham

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**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70188**

Well Name & No. Liza # 2 Test No. 4 Date 11-9-22
 Company Jaguar Co. Elevation 2173 KB 2166 GL
 Address P.O. Box 1120 Hays, KS 67601
 Co. Rep / Geo Jeff Lawler Rig STP R:1 2
 Location: Sec. 29 Twp 9 Rge. 19 Co. Rooks State KS

Interval Tested 3652-3665 Zone Tested Arbuckl P
 Anchor Length 13' Drill Pipe Run 3525 Mud Wt. 9
 Top Packer Depth 3647 Drill Collars Run 118 Vis 56
 Bottom Packer Depth 3652 Wt. Pipe Run _____ WL 8.4
 Total Depth 13' Chlorides 4000 ppm System LCM 5#
 Blow Description Miss Run

Rec <u>330</u>	Feet of <u>Mud</u>	%gas	%oil	%water <u>100</u>	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 330 BHT 94° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 Initial Hydrostatic 1844 ☒ Test 1350 ☐ Ruined Shale Packer _____
 Initial Flow _____ to _____ ☐ Jars _____ ☐ Ruined Packer _____
 Initial Shut-In _____ ☐ Circ Sub _____ ☐ Hotel _____
 Final Flow _____ to _____ ☐ Hourly Standby _____ ☐ EM Tool Successful _____
 Final Shut-In _____ ☒ Mileage 36x2 126 + 126 ☐ Accessibility _____
 Final Hydrostatic 1724 ☐ Sampler _____ ☐ Gas Sample _____
 T-On Location 12:00 ☐ Straddle _____ ☐ Sub Total 0
 Initial Flow — T-Started 12:55 ☐ Shale Packer _____ ☐ Total 1602
 Initial Shut-In — T-Open 3:12 ☐ Extra Packer _____ ☐ Tool Loaded 11/10 @ 7:00
 Final Flow — T-Pulled 3:20 ☐ Extra Recorder _____ ☐ MP/DST Disc't _____
 Final Shut-In — T-Out 6:20 ☐ Day Standby _____
 Comments Packer Failure

Approved By _____ Our Representative Jeff Lawler

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