KOLAR Document ID: 1593066

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 # 34903
Name: Jaspar Co.
Address 1: PO BOX 1120
Address 2:
City: HAYS State: KS Zip: 67601 + 1120
Contact Person: Shane Vehige
Phone: (785) 623-6982
CONTRACTOR: License # 35410
Name: STP Drilling LLC
Wellsite Geologist: Jeff Lawler
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 #:

09/06/2021	09/12/2021	09/13/2021
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-163-24437-00-00
Spot Description:
SW - NE - SE - NE Sec. 21 Twp. 6 S. R. 20 ☐ East ☑ West
1708 Feet from ☑ North / ☐ South Line of Section
340 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Rooks
Lease Name: DORI Well #: 1
Field Name:
Producing Formation: NONE
Elevation: Ground: 2155 Kelly Bushing: 2162
Total Vertical Depth: 3881 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 222 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 3751
feet depth to: 0 w/ 700 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 9000 ppm Fluid volume: 400 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: JASPAR CO
Lease Name: VEHIGE License #: 34903
Quarter SW Sec. 33 Twp. 6 S. R. 20 ☐ East ☑ West
County: ROOKS Permit #: D23,315

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: 10/19/2021
☐ **Confidential Release Date:** 10/19/2023
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 10/20/2021

Page Two

Operator Name: Jaspar Co. Lease Name: DORI Well #: 1

Sec. 21 Twp. 6 S. R. 20 ☐ East ☑ West County: Rooks

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

COMPENSATED DENSITY/NEUTRON
MICRO
DUAL INDUCTION

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
ANHYDRITE	1763	399
TOPEKA	3166	-1044
HEEBNER	3366	-1204
TORONTO	3389	-1227
LKC	3404	-1242
ARBUCKLE	3711	-1549

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	222	COMMON	150	80/20 3%CC, 2%GEL
Production	7.875	5.5	15.5	3751	COMMON	150	10%SALT,5%GIL
Production	7.875	5.5	15.5	3751	QMDC	400	80/20, 100%FLOWSEAL

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

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: 10/19/2021	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* SWD					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3751	3881

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

TUBING RECORD:	Size:	Set At:	Packer At:
	2.375	3700	3700

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Jaspar Co.
Well Name	DORI 1
Doc ID	1593066

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	222	COMMON	150	80/20 3%CC, 2%GEL
Production	7.875	5.5	15.5	3751	COMMON	150	10%SALT, 5%GIL
Production	7.875	5.5	15.5	3751	QMDC	400	80/20, 100%FLOWSEAL

JASPAR COMPANY INC.

Scale 1:240 Imperial

Well Name:	DORI #1		
Surface Location:	SW NE SW NE Sec. 21 - 6S - 20W		
Bottom Location:			
API:	15-163-24437		
License Number:	34903		
Spud Date:	9/6/2021	Time:	1:45 PM
Region:	ROOKS COUNTY, KS		
Drilling Completed:	9/12/2021	Time:	6:10 AM
Surface Coordinates:	1708' FNL & 340' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	2155.00ft		
K.B. Elevation:	2162.00ft		
Logged Interval:	3050.00ft	To:	3775.00ft
Total Depth:	3775.00ft		
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:	DORI #1		
Location:	SW NE SW NE Sec. 21 - 6S - 20W		
API:	15-163-24437		
Pool:		Field:	TODD NORTHEAST
State:	KANSAS	Country:	USA

SURFACE CO-ORDINATES

Well Type:	Vertical
Longitude:	-99.547485
Latitude:	39.519885
N/S Co-ord:	1708' FNL
E/W Co-ord:	340' FEL

LOGGED BY

BIG CREEK CONSULTING

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 DRILLING
Rig #: 1
Rig Type: MUD ROTARY
Spud Date: 9/6/2021 Time: 1:45 PM
TD Date: 9/12/2021 Time: 6:10 AM
Rig Release: 9/13/2021 Time: 5:55 AM

ELEVATIONS

K.B. Elevation: 2162.00ft Ground Elevation: 2155.00ft
K.B. to Ground: 7.00ft

NOTES

DUE TO LACK OF ECONOMICAL RECOVERY DECISION WAS MADE TO RUN 5 1/2" CASING FOR SALT WATER DISPOSAL.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

	DORI #1				JASPAR COMPANY, INC. D&R UNIT #1 SE SW SE NE 21-6-20						LIBERTY OPERATIONS & COMP., INC. HARMON #1 NW SE NE 21-6-20						JASPAR COMPANY, INC. GARTH UNIT #1 SW NW SE NW 22-6-21						JONES, SHELBURNE, & FARMER ATTABERRY #1 SE SE NW 22-6-21					
	KB	2162	GL	2155	KB	2172					KB	2201					KB	2174					KB	2186				
	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	1763	399	1764	398	1770	402	-	3	-	4	1809	392	+	7	+	6	1776	398	+	1	+	0	1790	396	+	3	+	2
BASE	1795	367	1799	363	1803	369	-	2	-	6							1808	366	+	1	-	3						
TOPEKA	3166	-1004	3168	-1006	3164	-992	-	12	-	14	3221	-1020	+	16	+	14	3176	-1002	-	2	-	4						
HEEBNER SHALE	3366	-1204	3370	-1208	3363	-1191	-	13	-	17	3423	-1222	+	18	+	14	3373	-1199	-	5	-	9	3397	-1211	+	7	+	3
TORONTO	3389	-1227	3391	-1229	3386	-1214	-	13	-	15	3446	-1245	+	18	+	16	3396	-1222	-	5	-	7						
LKC	3404	-1242	3404	-1242	3401	-1229	-	13	-	13	3460	-1259	+	17	+	17	3410	-1236	-	6	-	6	3434	-1248	+	6	+	6
BKC	3603	-1441	3608	-1446	3599	-1427	-	14	-	19	3658	-1457	+	16	+	11	3610	-1436	-	5	-	10						
GORHAM SAND					3630	-1458											3647	-1473										
ARBUCKLE	3711	-1549	3711	-1549	3638	-1466	-	83	-	83	3686	-1485	-	64	-	64							3740	-1554	+	5	+	5
TOTAL DEPTH	3775	-1613	3775	-1613	3700	-1528	-	85	-	85	3750	-1549	-	64	-	64	3652	-1478	-	135	-	135	3772	-1586	-	27	-	27

DST #1 TORONTO - LKC A 3368' - 3415'

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Company Inc.

PO Box 1120
Hays KS 67601

ATTN: Jeff Lawler

21-6s-20w Rooks,KS

Dori #1

Job Ticket: 63228 **DST#: 1**

Test Start: 2021.09.10 @ 04:45:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:35:45
Time Test Ended: 10:16:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Justin Polfus
Unit No: 71

Interval: 3368.00 ft (KB) To 3415.00 ft (KB) (TVD)
Total Depth: 3415.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

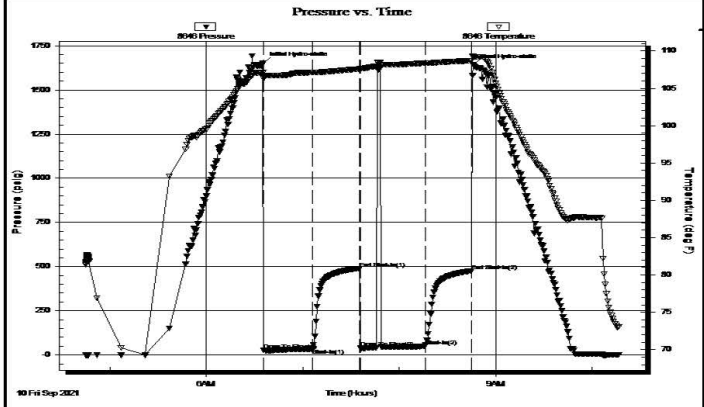
Reference Elevations: 2162.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8646 **Outside**

Press@RunDepth: 49.62 psig @ 3369.00 ft (KB)
Start Date: 2021.09.10 End Date: 2021.09.10
Start Time: 04:45:01 End Time: 10:16:30

Capacity: 8000.00 psig
Last Calib.: 2021.09.10
Time On Btm: 2021.09.10 @ 06:35:30
Time Off Btm: 2021.09.10 @ 08:46:00

TEST COMMENT: 30 IF- Weak surface blow , died in 1 minute 30 seconds
30 ISI- No blow back
40 FF- No blow , flushed tool after 10 minutes then had surface blow
30 FSI- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.63	107.14	Initial Hydro-static
1	26.83	106.27	Open To Flow (1)
31	34.97	107.12	Shut-In(1)
60	489.56	107.59	End Shut-In(1)
61	39.67	107.58	Open To Flow (2)
101	49.62	108.37	Shut-In(2)
130	476.56	108.70	End Shut-In(2)
131	1641.33	109.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MWOS 100%M	0.32

Gas Rates

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

Trilobite Testing, Inc Ref. No: 63228 Printed: 2021.09.10 @ 10:57:25

DST #2 LKC E - F 3468' - 3494'

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jasper Company Inc.

P.O. Box 1120
Hays KS, 67601

ATTN: Jeff Lawler

21-6s-20w Rooks KS

Dori #1

Job Ticket: 63229 **DST#: 2**

Test Start: 2021.09.10 @ 20:45:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:25:00
Time Test Ended: 02:09:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Justin Polfus
Unit No: 71

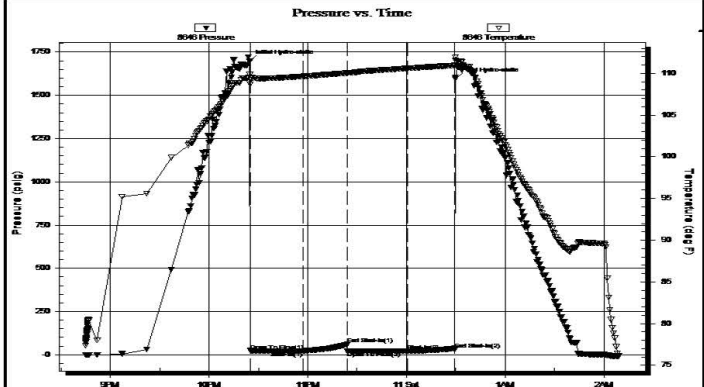
Interval: 3468.00 ft (KB) To 3494.00 ft (KB) (TVD)
Total Depth: 3494.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2162.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8646 **Outside**
Press@RunDepth: 20.34 psig @ 3469.00 ft (KB)
Start Date: 2021.09.10 End Date: 2021.09.11
Start Time: 20:45:01 End Time: 02:09:30

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2021.09.10 @ 22:24:45
Time Off Btm: 2021.09.11 @ 00:29:45

TEST COMMENT: 30 IF- Strong surfae blow died back to a weak surface blow
30 ISI - No blow back
35 FF - No blow flushed tool after 5 minutes weak surface blow died in 3 minutes
30 FSI - No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.81	109.83	Initial Hydro-static
1	23.25	108.65	Open To Flow (1)
33	22.04	109.64	Shut-In(1)
60	60.22	110.03	End Shut-In(1)
60	22.82	110.04	Open To Flow (2)
96	20.34	110.60	Shut-In(2)
125	32.59	110.95	End Shut-In(2)
125	1593.88	111.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100% M	0.01

Gas Rates

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

Trilobite Testing, Inc Ref. No: 63229 Printed: 2021.09.11 @ 07:52:57

ROCK TYPES

Cht	Chtcongl	shale, grn	Shblck	Arg/Shale
Cht vari	Dolprim	shale, gry	shale, red	Ss
Congl	Lmst fw7>	Carbon Sh	Shcol	

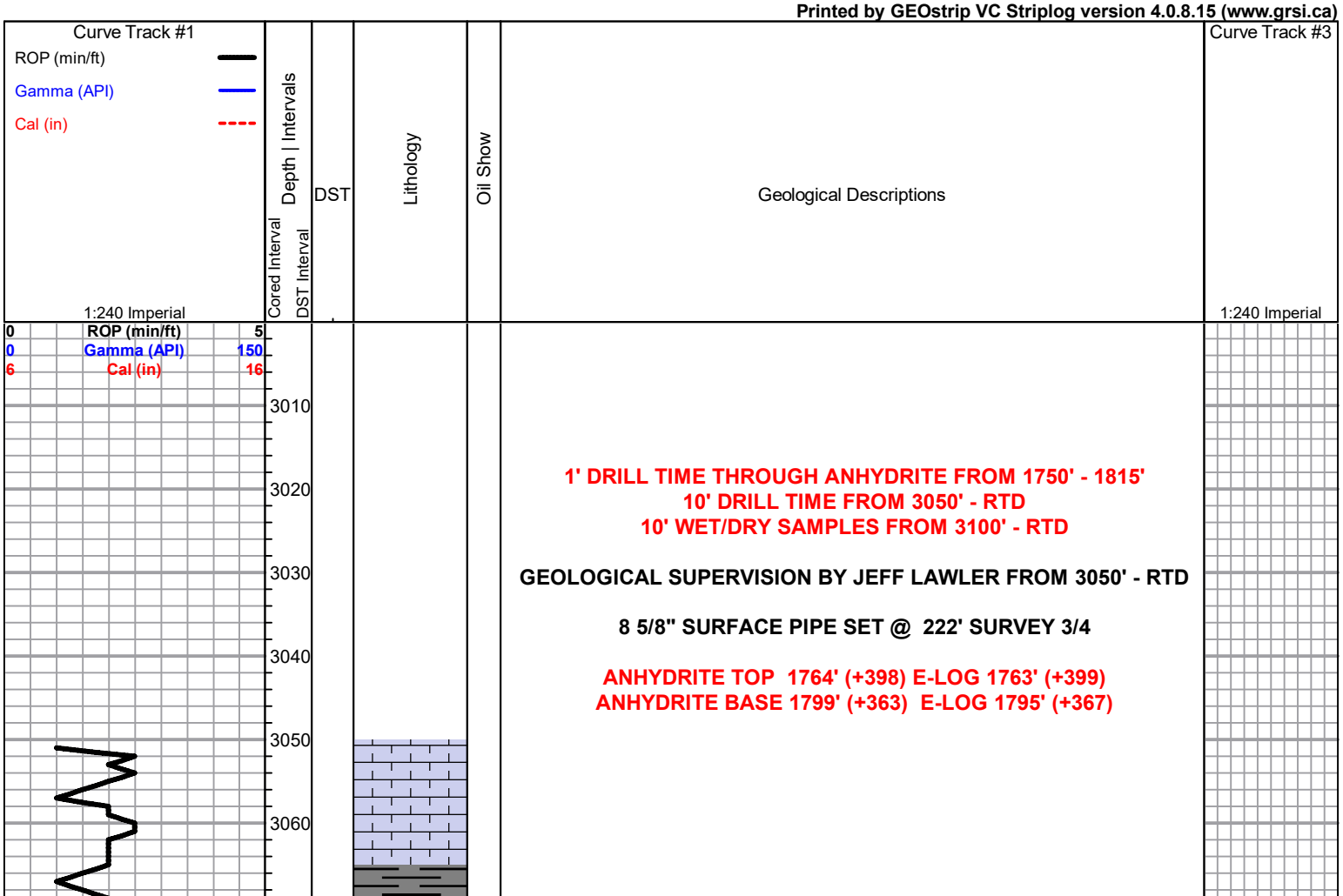
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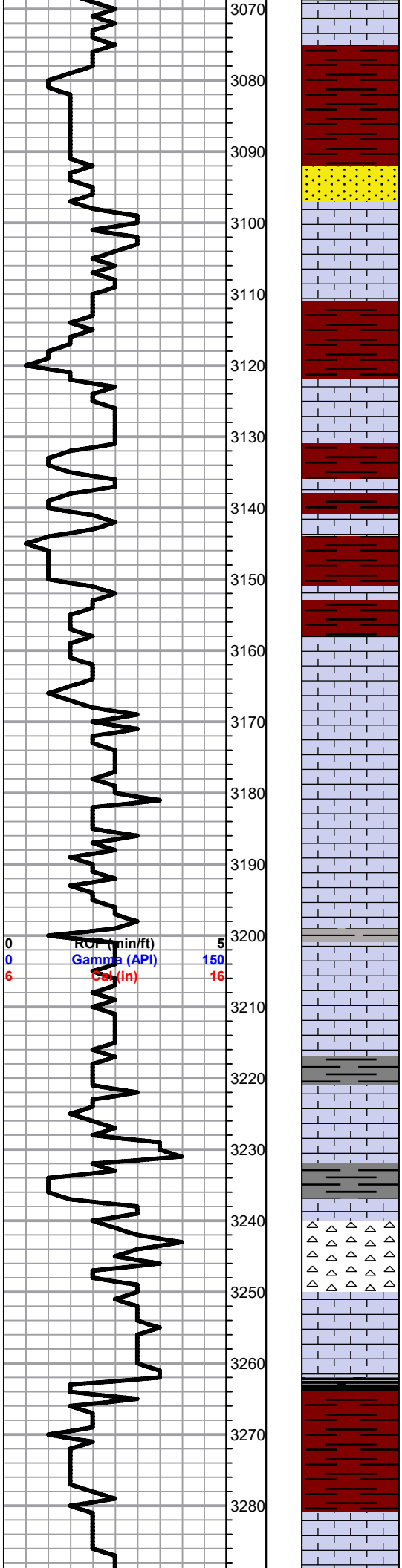
STRINGER
- Chert
- green shale

OTHER SYMBOLS

DST
- DST Int
- DST alt

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





Sh- Maroon, gritty & earthy, gummy clumps

Ss- Lt Gray, VF Grn, consolidated & well sorted, well cemented, sl calcareous, consistent vf intergranular porosity, barren

Lm- Drk Gray, FXLN, fsl fragments & trashy, dense XLN porosity, barren

Sh- Red Green Gray Mustard Yellow, abundant gummy clumps Ss- Frosted, Fn Grn, micaceous, lightly cemented, mod. sorting & consolidated, barren

Lm- Gray, VFXLN, dense, tight w/ no vis. porosity

Lm- Tan Buff, FXLN, densely fsl, well cemented, dense XLN porosity, barren

Sh- Maroon Gray, gummy clumps, micaceous, some sl sandy

TOPEKA 3168' (-1006) E-LOG 3166' (-1004) Lm- Tan Cream, mix of VFXLN, dense, well cemented & tight and fsl, well cemented, dense XLN porosity, all barren

Lm- A/A w/ influx of drk gray VFXLN, dense, w/o vis. porosity

Lm- Tan Buff, FXLN, dense, well cemented, sl sandy, sctrd XLN porosity, tight & barren

Lm- Cream, mix of FXLN dolomitic Ls, w/ micro XLN porosity & soft chalky Lm w/ sctrd XLN porosity, some soft white chalk, all barren

Lm- Cream Buff, FXLN, fsl, mod. dev. w/ dense XLN porosity, barren

Lm- Dove Gray, Fn Grn, sandy Ls, consolidated & well sorted, loosely cemented, some sl calcareous, barren

Lm- Cream Off White, FXLN, heavily fsl, well dev. w/ consistent XLN porosity througout, some clear replacement cementation, barren

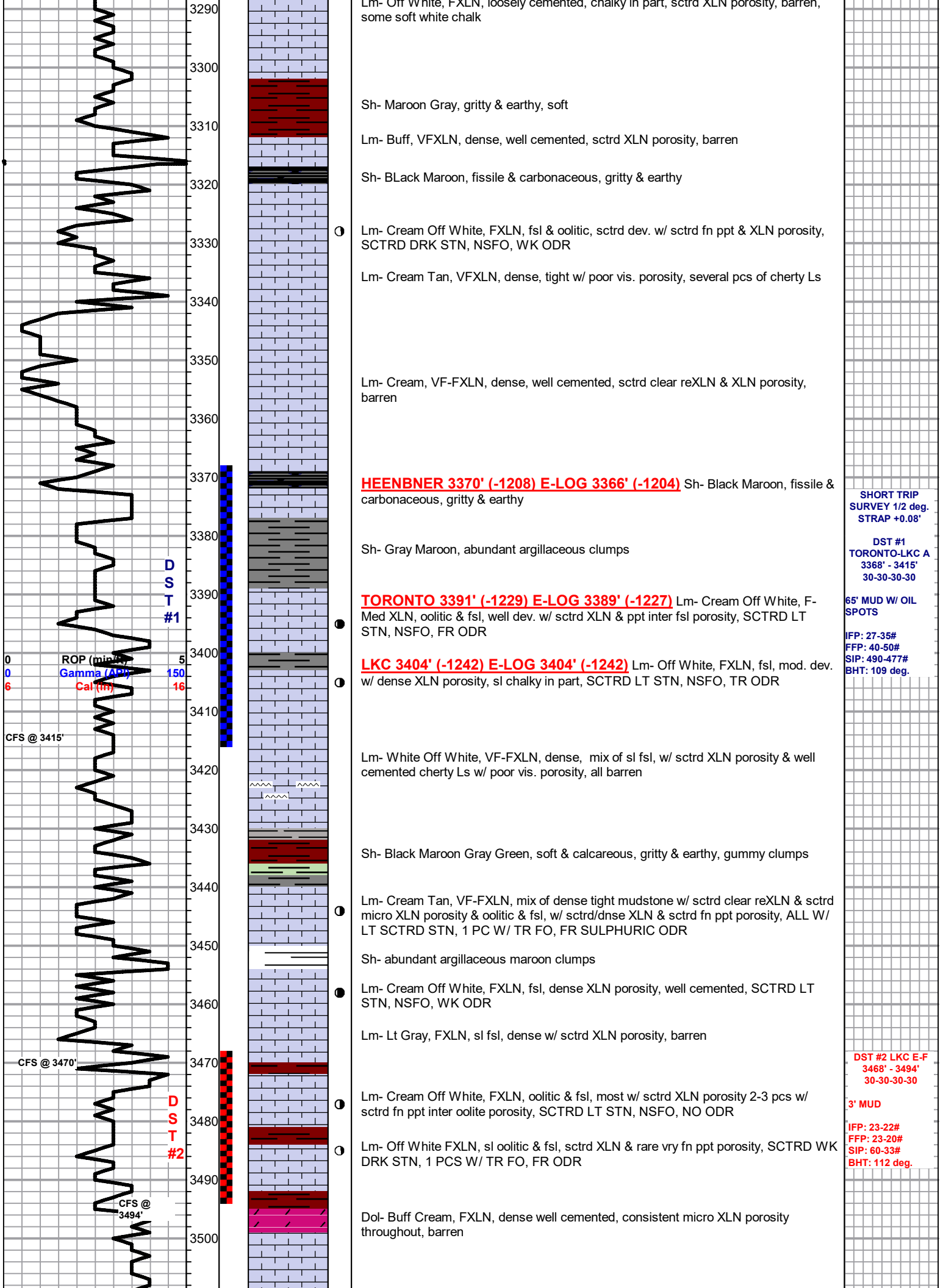
Chert- Milky White/Gray, fresh bedded cryptoXLN w/o vis. porosity

Lm- Cream Off White, FXLN, dense & tight w/ sctrd micro XLN/XLN porosity, barren

Sh- Black Maroon Gray, soft & carbonaceous, gritty & earthy, gummy clumps

Sh- abundant maroon gummy clumps, green- dense & waxy

Lm- Off White, FXLN, loosely cemented, chalky in part, sctrd XLN porosity, barren



Lm- Off White, FXLN, loosely cemented, chalky in part, sctrd XLN porosity, barren, some soft white chalk

Sh- Maroon Gray, gritty & earthy, soft

Lm- Buff, VFXLN, dense, well cemented, sctrd XLN porosity, barren

Sh- BLack Maroon, fissile & carbonaceous, gritty & earthy

Lm- Cream Off White, FXLN, fsl & oolitic, sctrd dev. w/ sctrd fn ppt & XLN porosity, SCTRD DRK STN, NSFO, WK ODR

Lm- Cream Tan, VFXLN, dense, tight w/ poor vis. porosity, several pcs of cherty Ls

Lm- Cream, VF-FXLN, dense, well cemented, sctrd clear reXLN & XLN porosity, barren

HEENBNER 3370' (-1208) E-LOG 3366' (-1204) Sh- Black Maroon, fissile & carbonaceous, gritty & earthy

Sh- Gray Maroon, abundant argillaceous clumps

TORONTO 3391' (-1229) E-LOG 3389' (-1227) Lm- Cream Off White, F-Med XLN, oolitic & fsl, well dev. w/ sctrd XLN & ppt inter fsl porosity, SCTRD LT STN, NSFO, FR ODR

LKC 3404' (-1242) E-LOG 3404' (-1242) Lm- Off White, FXLN, fsl, mod. dev. w/ dense XLN porosity, sl chalky in part, SCTRD LT STN, NSFO, TR ODR

Lm- White Off White, VF-FXLN, dense, mix of sl fsl, w/ sctrd XLN porosity & well cemented cherty Ls w/ poor vis. porosity, all barren

Sh- Black Maroon Gray Green, soft & calcareous, gritty & earthy, gummy clumps

Lm- Cream Tan, VF-FXLN, mix of dense tight mudstone w/ sctrd clear reXLN & sctrd micro XLN porosity & oolitic & fsl, w/ sctrd/dnse XLN & sctrd fn ppt porosity, ALL W/ LT SCTRD STN, 1 PC W/ TR FO, FR SULPHURIC ODR

Sh- abundant argillaceous maroon clumps

Lm- Cream Off White, FXLN, fsl, dense XLN porosity, well cemented, SCTRD LT STN, NSFO, WK ODR

Lm- Lt Gray, FXLN, sl fsl, dense w/ sctrd XLN porosity, barren

Lm- Cream Off White, FXLN, oolitic & fsl, most w/ sctrd XLN porosity 2-3 pcs w/ sctrd fn ppt inter oolite porosity, SCTRD LT STN, NSFO, NO ODR

Lm- Off White FXLN, sl oolitic & fsl, sctrd XLN & rare vry fn ppt porosity, SCTRD WK DRK STN, 1 PCS W/ TR FO, FR ODR

Dol- Buff Cream, FXLN, dense well cemented, consistent micro XLN porosity throughout, barren

SHORT TRIP
SURVEY 1/2 deg.
STRAP +0.08'

DST #1
TORONTO-LKC A
3368' - 3415'
30-30-30-30

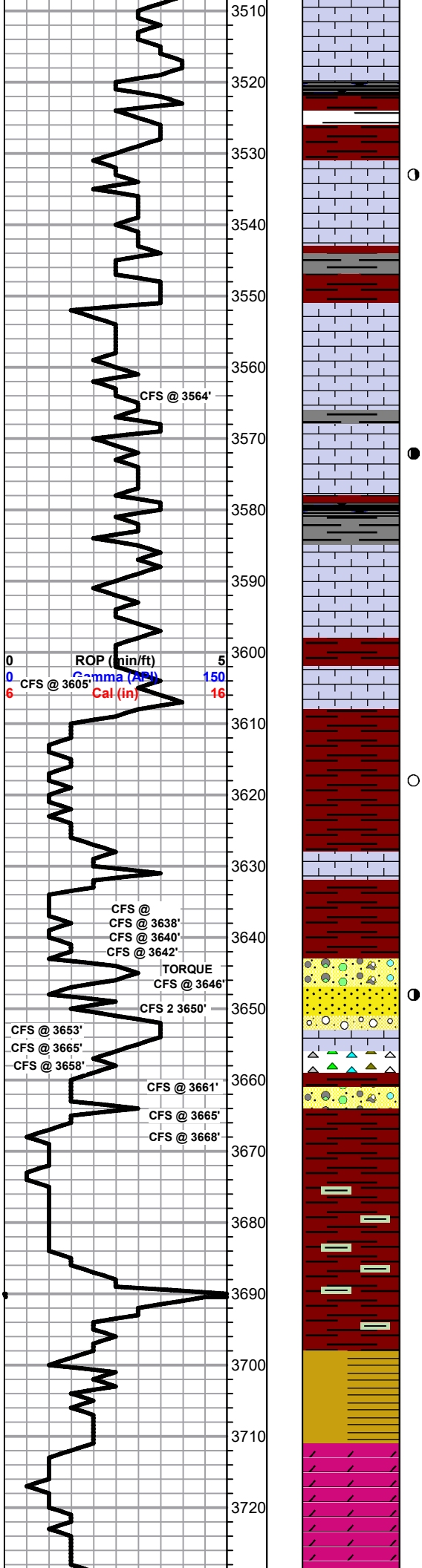
65' MUD W/ OIL SPOTS

IFP: 27-35#
FFP: 40-50#
SIP: 490-477#
BHT: 109 deg.

DST #2 LKC E-F
3468' - 3494'
30-30-30-30

3' MUD

IFP: 23-22#
FFP: 23-20#
SIP: 60-33#
BHT: 112 deg.



Lm- Lt Gray, VFXLN, well cemented & tight w/ sctrd XLN porosity, chalky in part

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

Lm- Cream Off White, FXLN, mostly dense w/ sctrd XLN porosity, few pcs w/ mostly consistent dense XLN porosity, ALL LT SCTRD STN, SFO, WK SL SULPHURIC ODR

Lm- Tan, VFXLN, well cemented & tight w/ poor vis. porosity

Lm-Cream Off White, fsl & oolitic w/ mostly consistent XLN & sctrd fn ppt/ppt porosity, SCTRD LT STN, OILY SHEEN, WK ODR

Lm- Cream Off White, FXLN, fsl w/ fusulinids & sl oolitic, loosely cemented, sctrd to dense XLN porosity, SCTRD LT STN, NSFO, TR ODR

Sh- Black Maroon Gray, carbonaceous, gritty & earthy, dense & waxy

Lm- White Off White Semi-Translucent, densely packed oolitic, mix of well cemented w/ dense XLN porosity & loosely cemented, chalky in part, w/ dense XLN porosity & soft white chalk, 1-2 PCS W/ TR EDGE STN, NSFO, NO ODR, mostly all clean & barren

Lm- Cream, FXLN, fsl, loosely cemented, dense XLN porosity, clean & barren

BKC 3608' (-1446) E-LOG 3603' (-1441) Sh- Maroon Gray Green, gritty & earthy, dense & semi-waxy, calcareous

A/A w/ VF Grn consolidated & well sorted Ss/sandy Ls, white brown, loosely cemented, WK STN, NSFO, NO ODR

3636'- Sh- Marooon Gray, abundant argilaceous clumps
3638'- Sh- Maroon Gray, trashy, sub-rounded qtz inclusions
3640'- Sh-A/A
3642'- Sh- A/A
3646'- Cherty Conglomerate- White, mostly detritial chert, few w/ sub-rounded qtz inclusions, few pcs of fresh bedded chert, 3-4 PCS W/ SCTRD DRK STN, TR FO, NO ODR
3650'- Conglomerate Ss- Frosted, Vf-M Grn, unconsolidated & poorly sorted, vry friable, mostly conglomerate, few Ss clusters, COUPLE W/ DRK STN, SHW FO, NO ODR, gummy white chalk
3653'- A/A sl influx of Ss clusters, mostly unconsolidated conglomerate SHW/STN A/A
3655'- Lm- White, VFXLN, dense, well cemented, tight w/ poor vis. porosity, abudant white clumps
3668'- Chert- Salmon Yellow Translucent, mix of fresh bedded, some oolitic, & detritial conglomerate chert, FEW W/ DRK SCTRD STN, BLK DEAD OIL STN, TR FO, NO ODR
3661'- Sh- abundant maroon & white gummy clumps
3665'- Chert- A/A
3668'- Chert- Buff Tan, VFXLN, tight dolomitic chert w/ micro XLN porosity, barren

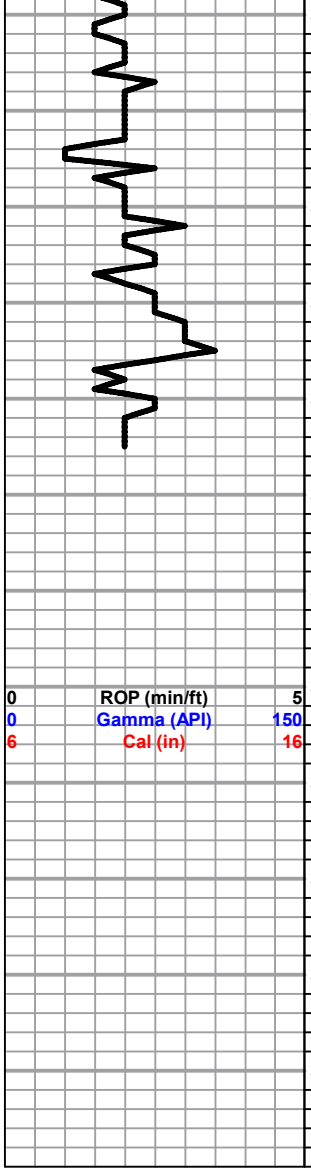
Sh- Maroon Gray Mint Green, abundant argillaceous clumps, semi-waxy, waxy & dense, multiple pcs of waxy striated marron/green

Sh- Maroon Brown Gray, abundant clumps, gritty & earthy, dense & waxy

Sh- A/A influx of waxy brown & gummy white chalk

ARBUCKLE 3711' (-1549) E-LOG 3711' (-1549) Dol- Cream Buff, FXLN, dense, mostly well cemented, consistent microXLN porosity throughout, barren

Dol- Cream Buff, F-Med XLN, A/A w/ semi-sucrosic/sucrosic, consistent XLN porosity, 1-2 pcs w/ glauconite inclusions, barren



3730
3740
3750
3760
3770
3780
3790
3800
3810
3820
3830
3840

Dol- Tan Maroon, VFXLN, well cemented, tight w/ micro XLN porosity throughout, barren

Dol- Maroon, VF-FXLN, dense, well cemented, mostly tight w/ micro XLN porosity throughout, barren, few mustard yellow FXLN, micro XLN pcs

Dol- Buff Cream, MXLN, massive, well cemented, consistent XLN porosity throughout, barren

RTD 3775' (-1613) LTD 3775' (-1613) @ 06:10 9/12/2021

SHORT TRIP
CTCH
SURVEY 3/4 deg.
TOH FOR LOG

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 No. 2374

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9.6.21	21	6	20	Rooks	KS		5:45pm

Location Damar x Logan Rd 5N ERd 1E Vinto

Lease DORF Well No. 1

Contractor S.T.R

Type Job Surface

Hole Size 12¼ T.D. 222

Csg. 8 5/8 Depth 221

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 10 Shoe Joint

Meas Line Displace 13BL

EQUIPMENT

Pumptrk 17 No. Cementer Craig / Helper

Bulktrk No. Driver / Driver David

Bulktrk 9 No. Driver / Driver Doug

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

8 5/8 on bottom. Est. Circulation. Mix 150sk & Displace. Cement Circulated

X Signature

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.

Charge To Jaspar Company

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150 80/20 3%CC 2%GEL

Common	120
Poz. Mix	30
Gel.	3
Calcium	6
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	159
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	58
Tax	
Discount	
Total Charge	

Thanks

Quality Oilwell Cementing

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 constructed 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

2132

Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 No.

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-12-21	21	6	20	Rooks	KS		1:00 AM

Location

Lease D.O.R.L. Well No. #1 Owner M Dorsey To Logan Rd SM 1E 1N

Contractor STD

Type Job Long String

Hole Size 7 7/8 T.D. 3775

Csg. 5 1/2 15.5# Depth 3770

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 21.52 Shoe Joint 21.52

Meas Line Displace 89 1/4

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.

Charge To Jaspen

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150sx 10% Salt 5# Gilsonite 500gal Flush 400gal AMDC

EQUIPMENT

	No.		
Pumptrk		Cementer	Bill
		Helper	David
Bulktrk	No.	Driver	
		Driver	
Bulktrk	No.	Driver	
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole 30sx

Centralizers

Baskets

D/V or Port Collar

Pipe on @ 3770.15
Shoe Jt. 21.52
Insert 3748.63
Pump Sweep Flush
Cmt w/ 370sx 60/40 Poz w/ 10% Salt 5# Gilsonite
Pump plug w/ 89 1/4 bbls
Final pressure 1200#
Cmt did circ.

Bill

X Signature

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer 5	
Baskets 4	
AFU Inserts	
Float Shoe 1	
Latch Down 1	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

Quality Oilwell Cementing

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.

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– 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.

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– 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.

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DRILL STEM TEST REPORT

Jaspar Company Inc.

PO Box 1120
Hays KS 67601

ATTN: Jeff Lawler

21-6s-20w Rooks,KS

Dori #1

Job Ticket: 63228 **DST#: 1**

Test Start: 2021.09.10 @ 04:45:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:35:45
Time Test Ended: 10:16:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Justin Polfus
Unit No: 71

Interval: 3368.00 ft (KB) To 3415.00 ft (KB) (TVD)
Total Depth: 3415.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

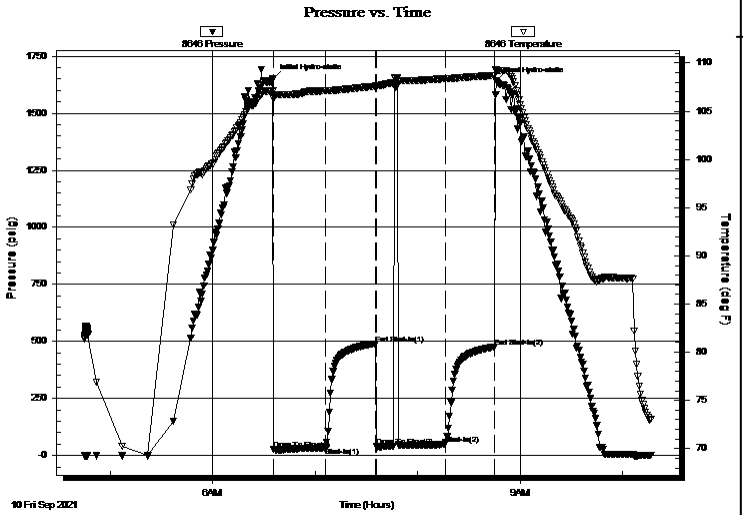
Reference Elevations: 2162.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8646 **Outside**

Press@RunDepth: 49.62 psig @ 3369.00 ft (KB)
Start Date: 2021.09.10 End Date: 2021.09.10
Start Time: 04:45:01 End Time: 10:16:30

Capacity: 8000.00 psig
Last Calib.: 2021.09.10
Time On Btm: 2021.09.10 @ 06:35:30
Time Off Btm: 2021.09.10 @ 08:46:00

TEST COMMENT: 30 IF- Weak surface blow , died in 1 minute 30 seconds
30 ISI- No blow back
40 FF- No blow , flushed tool after 10 minutes then had surface blow
30 FSI- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.63	107.14	Initial Hydro-static
1	26.83	106.27	Open To Flow (1)
31	34.97	107.12	Shut-In(1)
60	489.56	107.59	End Shut-In(1)
61	39.67	107.58	Open To Flow (2)
101	49.62	108.37	Shut-In(2)
130	476.56	108.70	End Shut-In(2)
131	1641.33	109.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MWOS 100%M	0.32

Gas Rates

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

DRILL STEM TEST REPORT

Jaspar Company Inc.

PO Box 1120
Hays KS 67601

ATTN: Jeff Lawler

21-6s-20w Rooks,KS

Dori #1

Job Ticket: 63228 **DST#: 1**

Test Start: 2021.09.10 @ 04:45:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:35:45
Time Test Ended: 10:16:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Justin Polfus
Unit No: 71

Interval: 3368.00 ft (KB) To 3415.00 ft (KB) (TVD)
Total Depth: 3415.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

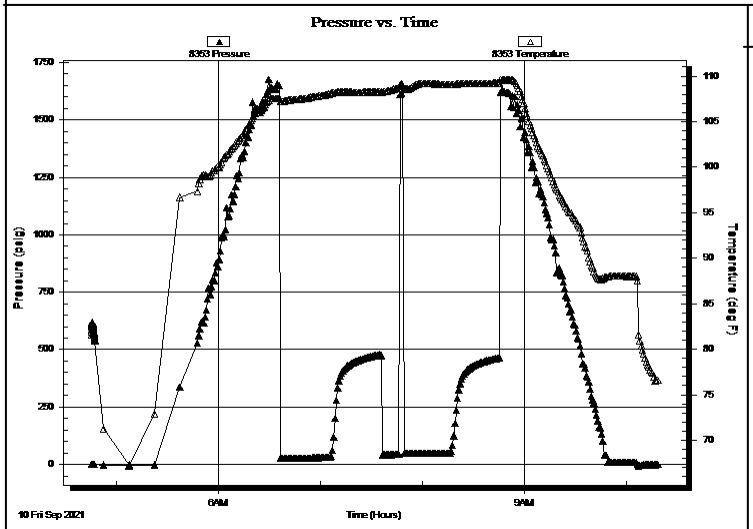
Reference Elevations: 2162.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8353 **Inside**

Press@RunDepth: psig @ 3369.00 ft (KB)
Start Date: 2021.09.10 End Date: 2021.09.10
Start Time: 04:45:09 End Time: 10:18:38

Capacity: 8000.00 psig
Last Calib.: 2021.09.10
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 IF- Weak surface blow , died in 1 minute 30 seconds
30 ISI- No blow back
40 FF- No blow , flushed tool after 10 minutes then had surface blow
30 FSI- No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MWOS 100%M	0.32

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Company Inc.

PO Box 1120
Hays KS 67601

ATTN: Jeff Lawler

21-6s-20w Rooks,KS

Dori #1

Job Ticket: 63228 **DST#: 1**

Test Start: 2021.09.10 @ 04:45:00

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:	63.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	800.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

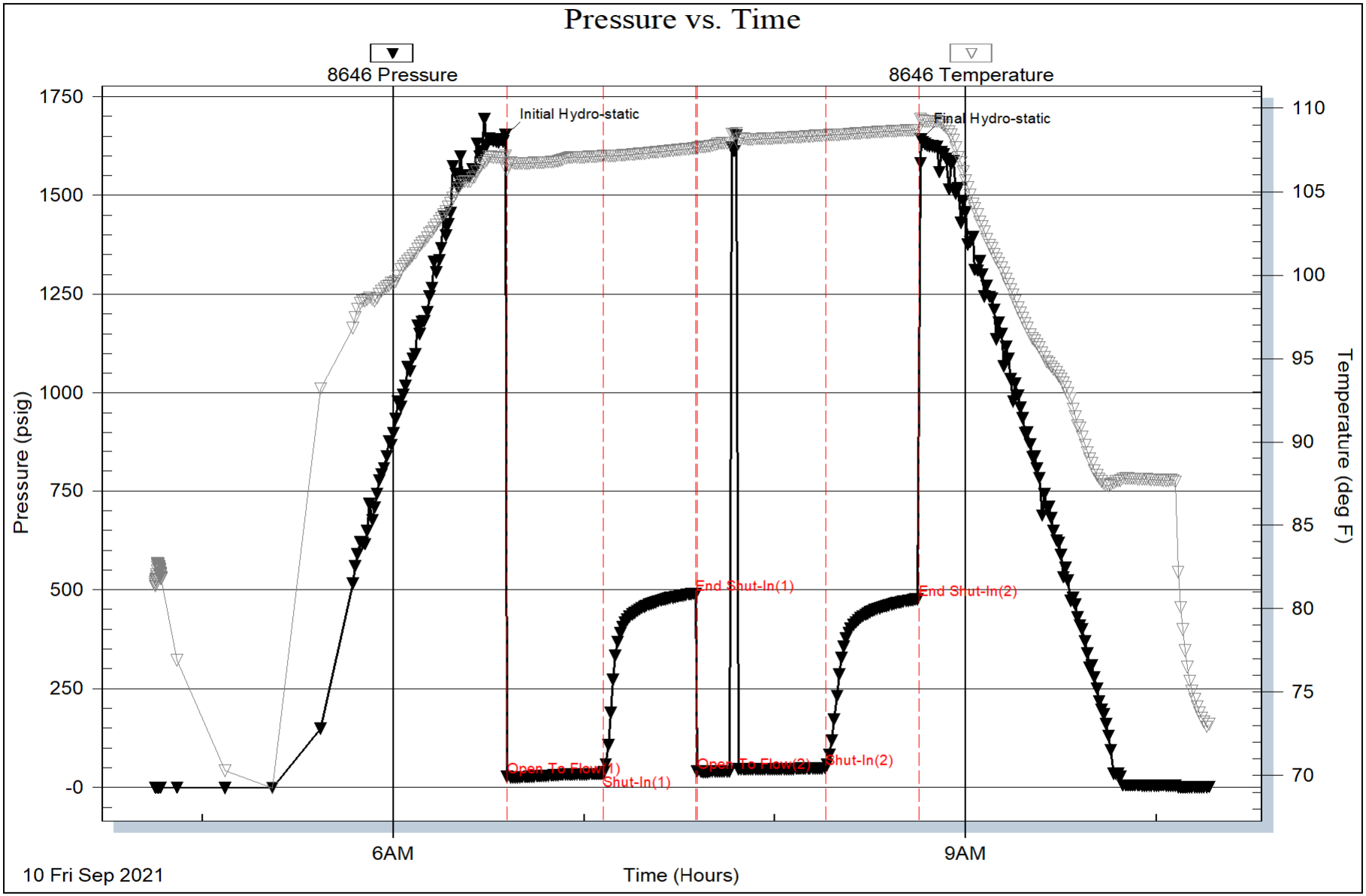
Recovery Table

Length ft	Description	Volume bbl
65.00	MWOS 100%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

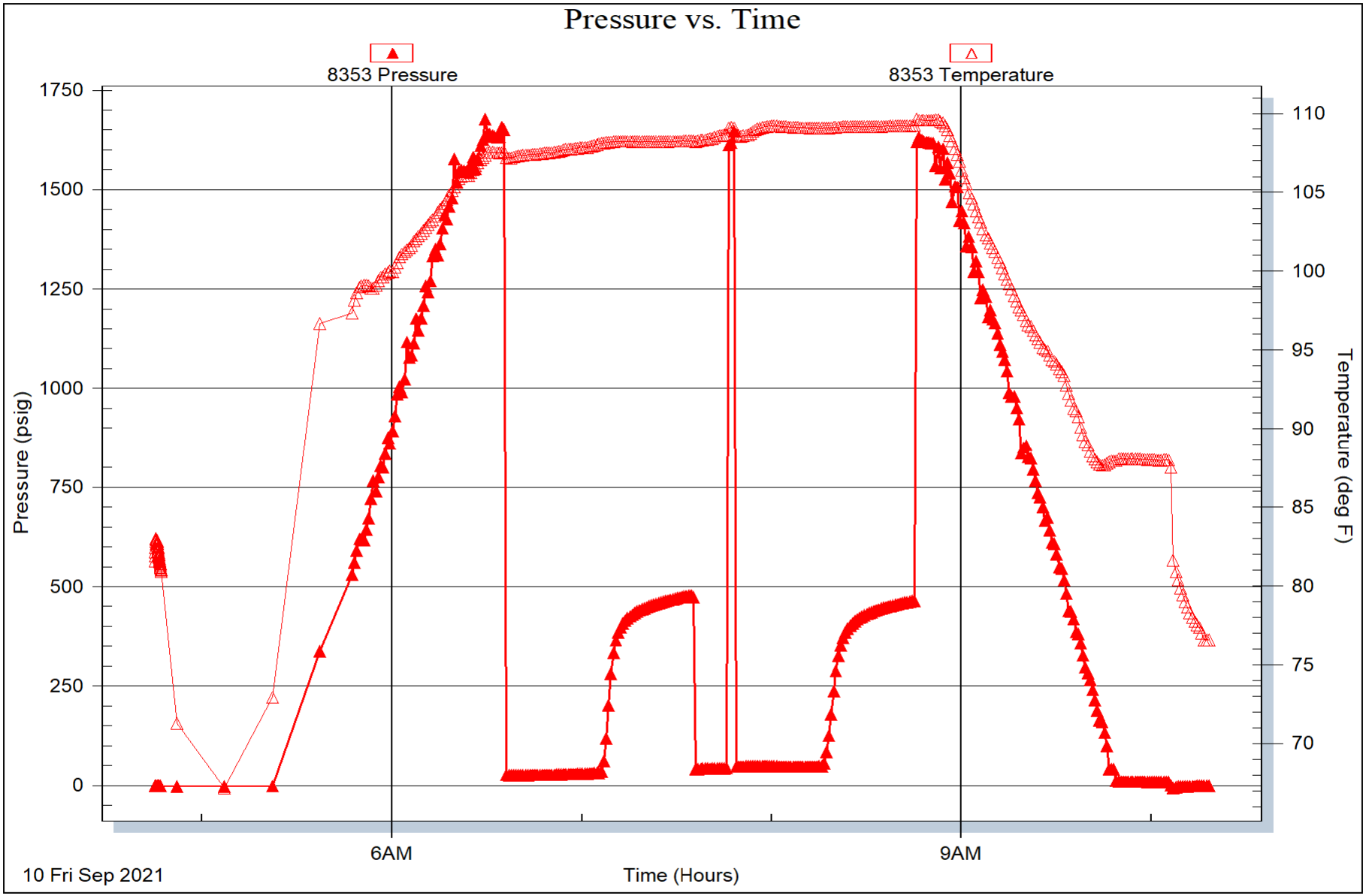
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8646 **Outside** Jaspar Company Inc. Dori #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63228 Printed: 2021.09.10 @ 10:57:26

Serial #: 8353 **Inside** Jaspar Company Inc. Dori #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63228 Printed: 2021.09.10 @ 10:57:26

DRILL STEM TEST REPORT

Jasper Company Inc.

P.O. Box 1120
Hays KS, 67601

ATTN: Jeff Lawler

21-6s-20w Rooks KS

Dori #1

Job Ticket: 63229 **DST#: 2**

Test Start: 2021.09.10 @ 20:45:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:25:00
Time Test Ended: 02:09:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Justin Polfus
Unit No: 71

Interval: 3468.00 ft (KB) To 3494.00 ft (KB) (TVD)
Total Depth: 3494.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

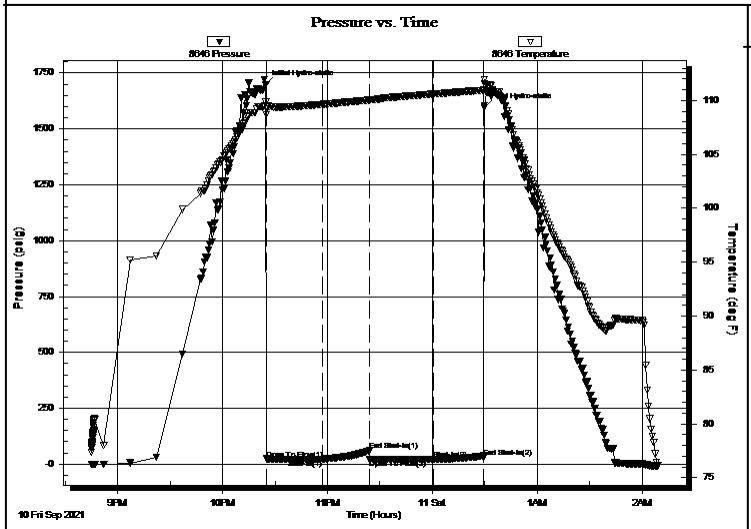
Reference Elevations: 2162.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8646 **Outside**

Press@RunDepth: 20.34 psig @ 3469.00 ft (KB)
Start Date: 2021.09.10 End Date: 2021.09.11
Start Time: 20:45:01 End Time: 02:09:30

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2021.09.10 @ 22:24:45
Time Off Btm: 2021.09.11 @ 00:29:45

TEST COMMENT: 30 IF- Strong surfae blow died back to a weak surface blow
30 ISI - No blow back
35 FF - No blow flushed tool after 5 minutes weak surface blow died in 3 minutes
30 FSI - No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.81	109.83	Initial Hydro-static
1	23.25	108.65	Open To Flow (1)
33	22.04	109.64	Shut-In(1)
60	60.22	110.03	End Shut-In(1)
60	22.82	110.04	Open To Flow (2)
96	20.34	110.60	Shut-In(2)
125	32.59	110.95	End Shut-In(2)
125	1593.88	111.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100% M	0.01

Gas Rates

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

DRILL STEM TEST REPORT

Jasper Company Inc.

P.O. Box 1120
Hays KS, 67601

ATTN: Jeff Lawler

21-6s-20w Rooks KS

Dori #1

Job Ticket: 63229 **DST#: 2**

Test Start: 2021.09.10 @ 20:45:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:25:00
Time Test Ended: 02:09:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Justin Polfus
Unit No: 71

Interval: 3468.00 ft (KB) To 3494.00 ft (KB) (TVD)
Total Depth: 3494.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

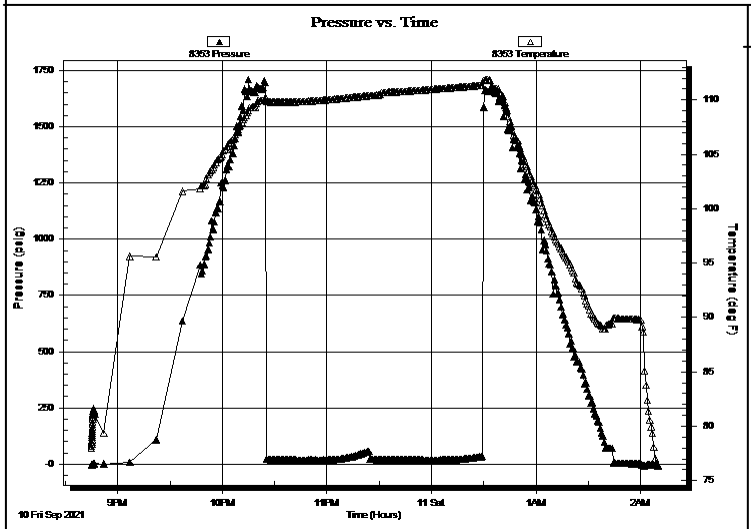
Reference Elevations: 2162.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8353 **Inside**

Press@RunDepth: psig @ 3469.00 ft (KB)
Start Date: 2021.09.10 End Date: 2021.09.11
Start Time: 20:45:01 End Time: 02:10:15

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 IF- Strong surfae blow died back to a weak surface blow
30 ISI - No blow back
35 FF - No blow flushed tool after 5 minutes weak surface blow died in 3 minutes
30 FSI - No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100% M	0.01

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Jasper Company Inc.

P.O. Box 1120
Hays KS, 67601

ATTN: Jeff Lawler

21-6s-20w Rooks KS

Dori #1

Job Ticket: 63229 **DST#: 2**

Test Start: 2021.09.10 @ 20:45:00

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	800.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

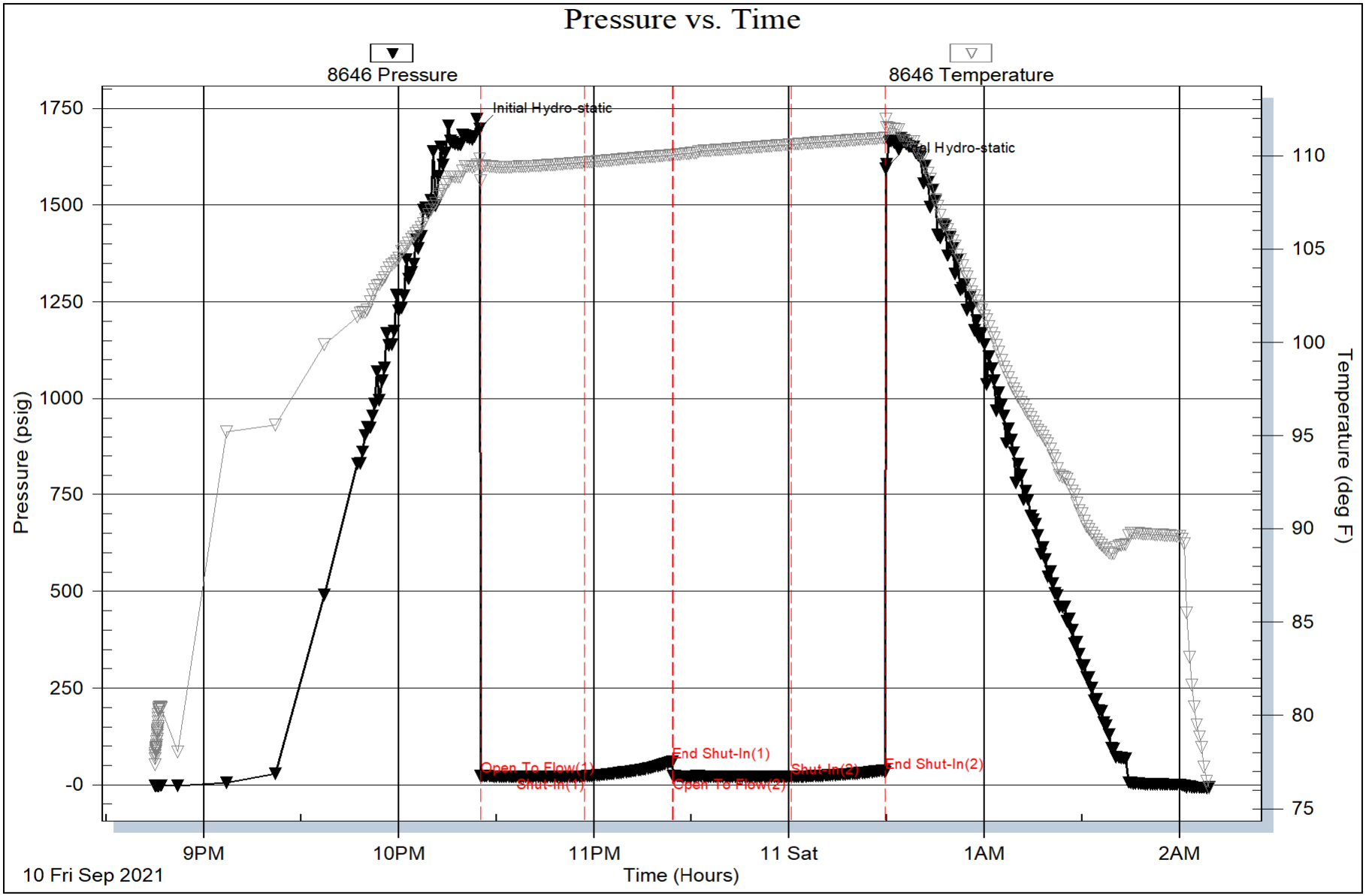
Recovery Table

Length ft	Description	Volume bbl
3.00	Mud 100% M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

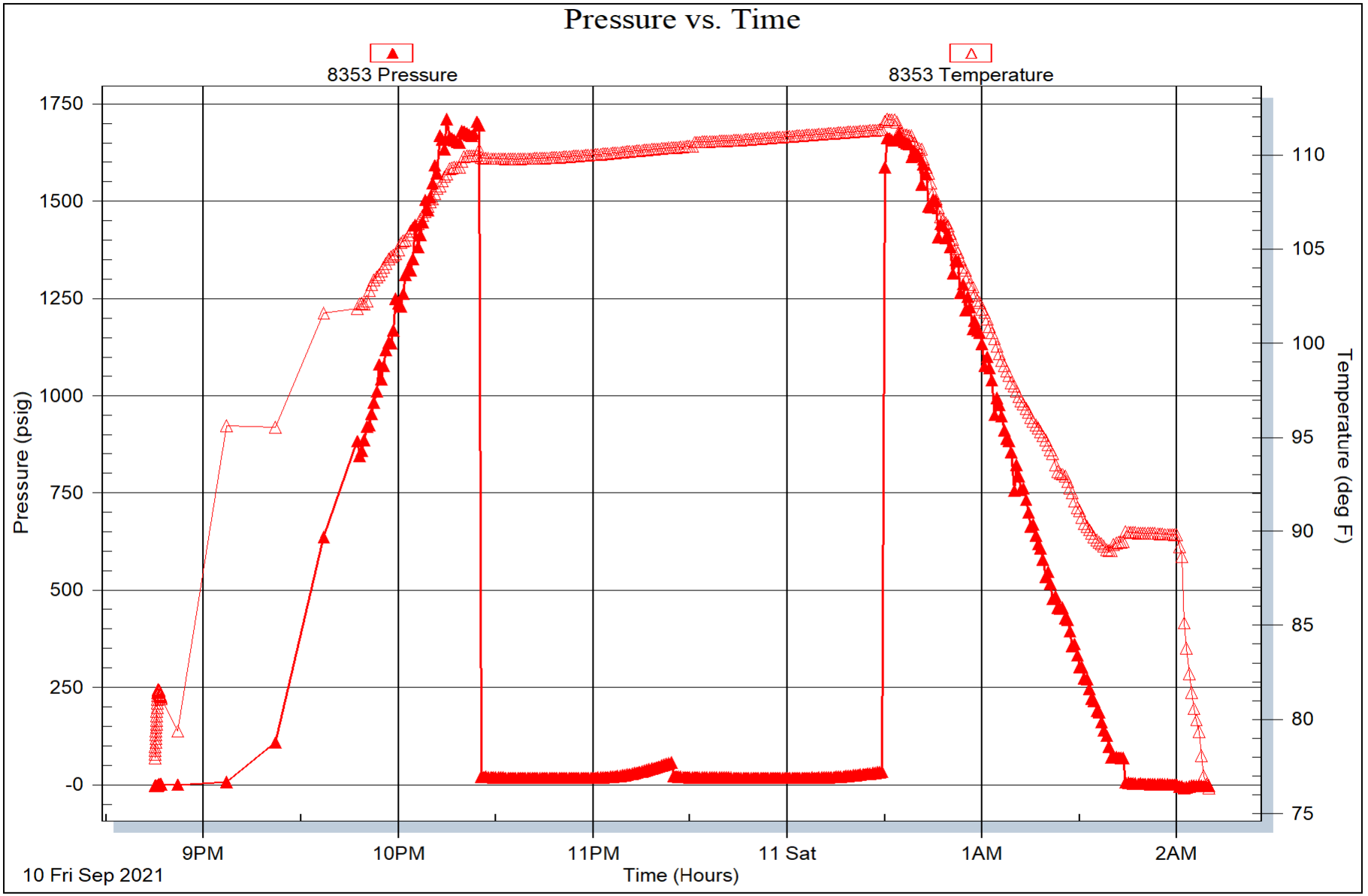
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8646 **Outside** Jasper Company Inc. Dori #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 63229 Printed: 2021.09.11 @ 07:52:58

Serial #: 8353 **Inside** Jasper Company Inc. Dori #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 63229 Printed: 2021.09.11 @ 07:52:58