

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	LEWIS 'ABC' 7
Doc ID	1648414

All Electric Logs Run

DIL
MEL
POR
SON



TICKET 34137

CHARGE TO: Gore Oil Co
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

PAGE 1 OF _____

SERVICE LOCATIONS/
 1. Hays ks
 2. Ness City ks
 3. _____
 4. _____

WELL/PROJECT NO. #7
 LEASE Lewis ABC
 COUNTY/PARISH Rooks
 CITY _____
 STATE ks

TICKET TYPE
 SERVICE
 SALES

CONTRACTOR Discovery
 RIG NAME/NO. _____
 DELIVERED TO Location
 VIA _____
 WELL PERMIT NO. _____

WELL TYPE oil
 WELL CATEGORY development
 JOB PURPOSE Long Sting
 WELL LOCATION _____

INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575			MILEAGE TRK #111	30	MI			7.00	210.00
579			PUMP CHARGE - TOP TO BOTTOM	1	EA			2200.00	2200.00
290			D-AIR	6	BOX			42.00	252.00
221			LIQUID HEL	2	BOX			25.00	50.00
280			FLOCHECK 21	330	BOX			3.50	1155.00
403			CEMENT BASKET	5	EA		5 1/2	300.00	1500.00
406			LATCH DOWN PLUG & RAFFLE	1	EA			250.00	250.00
407			INSERT FLORET SHOULDER AUTO FILL	1	EA			350.00	350.00
409			TURBO LIZER	10	EA			100.00	1000.00
413			ROTO WALL SCRATCHER	20	EA			35.00	700.00
419			ROTATING HEAD RENTAL	1	EA			250.00	250.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED _____ TIME SIGNED A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? _____
 WE UNDERSTOOD AND MET YOUR NEEDS? _____
 OUR SERVICE WAS PERFORMED WITHOUT DELAY? _____
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? _____
 ARE YOU SATISFIED WITH OUR SERVICE? YES NO

PAGE TOTAL 7917.00
 12355.50
 20272.50

TOTAL 10576.62
 21329.12

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES. The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR David Edgerton APPROVAL

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 34137

CUSTOMER: Gore Oil
WELL: Lewis ABC # 7
DATE: 6-11-22
PAGE: 2 OF 3

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
329-8					60/40 Pozmix 8% Grc	450	SX			13.60	5850.00
325					STANDARDS CEMENT	150	SX			15.00	2250.00
284					CALSEAL	7	SX			50.00	350.00
283					SALT	950	LBS			25	237.50
292					HALAD - 322	50	LBS			9.00	450.00
276					Flocele	150	LBS			3.00	450.00
SERVICE CHARGE											
MILEAGE CHARGE											
CUBIC FEET						600	SX			2.00	1200.00
TON MILES						1568				1.00	1568.00
TOTAL											12355.50

CONTINUATION TOTAL 12355.50

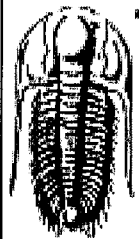
JOB LOG

SWIFT Services, Inc.

DATE 6-11-22 PAGE NO.

CUSTOMER Gore Oil Co WELL NO #7 LEASE LEWIS ABC JOB TYPE Long String TICKET NO. 34137

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2330							On location
								csg- 5 1/2
								Rtd- 3855
								Set @ 3844
								Shor- 9.75
								CENTRALIZERS- 1, 3, 5, 7, 9, 11, 13, 38, 49, 73
								Basket, 12, 14, 39, 50, 74
	0000							Start running csg
	130							Break Circ on Btm
	230	2	8				0	plug rat hole- 30 sx
		2	4				0	plug mouse hole- 20 sx
		6.5	15					pump kel spacer
		6.5	8					pump flocheck
		6.5	5					pump kel spacer
		6.5	0					START CMT- 400 sx 60/40 8 1/2
		4.5	132					End 60/40 - START EA-2
		4.5	168					End CMT
	315	7	0					Drop plug - WASH PAL
		7	70					START DISP
								Circ CMT
	330	6	92				1200	LAND Plug @ 1800 psi
								Release psi - Dry
								JOB complete
								50 sx CMT to Pit
								THANKS
								DAVID, SETH, JOHN & DUSTY



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

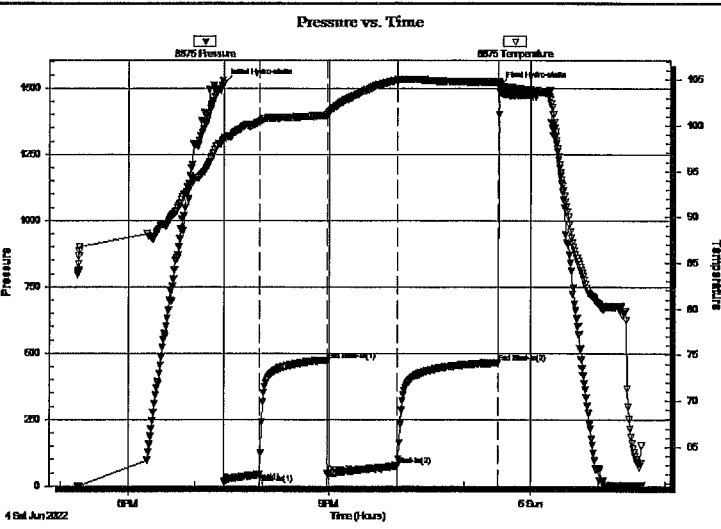
35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69044 **DST#: 1**
Test Start: 2022.06.04 @ 17:15:00

GENERAL INFORMATION:

Formation: **Topeka 30**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 19:25:52 Tester: Spencer J Staab
Time Test Ended: 01:38:42 Unit No: 84
Interval: 3203.00 ft (KB) To 3230.00 ft (KB) (TVD) Reference Elevations: 2174.00 ft (KB)
Total Depth: 3230.00 ft (KB) (TVD) 2166.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8875 Outside
Press@RunDepth: 77.36 psig @ 3204.00 ft (KB) Capacity: psig
Start Date: 2022.06.04 End Date: 2022.06.05 Last Calib.: 2022.06.05
Start Time: 17:15:01 End Time: 01:38:41 Time On Btm: 2022.06.04 @ 19:25:32
Time Off Btm: 2022.06.04 @ 23:31:27

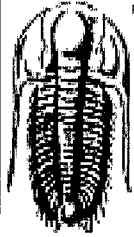
TEST COMMENT: 30-IF-Slid 2 ft Surface to 2.5"
60-ISI-No Return
60-FF-Surface to 1.5"
90-FSI-No Return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1516.38	98.70	Initial Hydro-static
1	17.27	98.57	Open To Flow (1)
33	44.31	100.47	Shut-In(1)
93	474.02	101.13	End Shut-In(1)
93	46.84	101.09	Open To Flow (2)
156	77.36	104.97	Shut-In(2)
245	465.74	104.74	End Shut-In(2)
246	1508.09	104.55	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
125.00	MCW 10%M 90%W	1.49
5.00	Clean Oil 100%O	0.07

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69044

DST#: 1

ATTN: Jason Alm

Test Start: 2022.06.04 @ 17:15:00

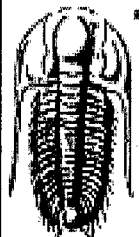
Tool Information

Drill Pipe:	Length: 3158.00 ft	Diameter: 3.82 inches	Volume: 44.77 bbl	Tool Weight: 2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 63000.00 daN
			<u>Total Volume: - bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 44000.00 daN
Depth to Top Packer:	3203.00 ft			Final 45000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.00 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			3177.00	
Shut In Tool	5.00			3182.00	
Hydraulic tool	5.00			3187.00	
Gap Sub	4.00			3191.00	
Safety Joint	3.00			3194.00	
Packer	5.00			3199.00	27.00 Bottom Of Top Packer
Packer	4.00			3203.00	
Stubb	1.00			3204.00	
Recorder	0.00	6838	Inside	3204.00	
Recorder	0.00	8875	Outside	3204.00	
Perforations	22.00			3226.00	
Bullnose	4.00			3230.00	27.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69044

DST#: 1

ATTN: Jason Alm

Test Start: 2022.06.04 @ 17:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

102000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MCW 10%M 90%W	1.494
5.00	Clean Oil 100%O	0.071

Total Length: 130.00 ft Total Volume: 1.565 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

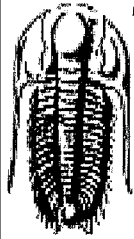
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

RW=.091@60F



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

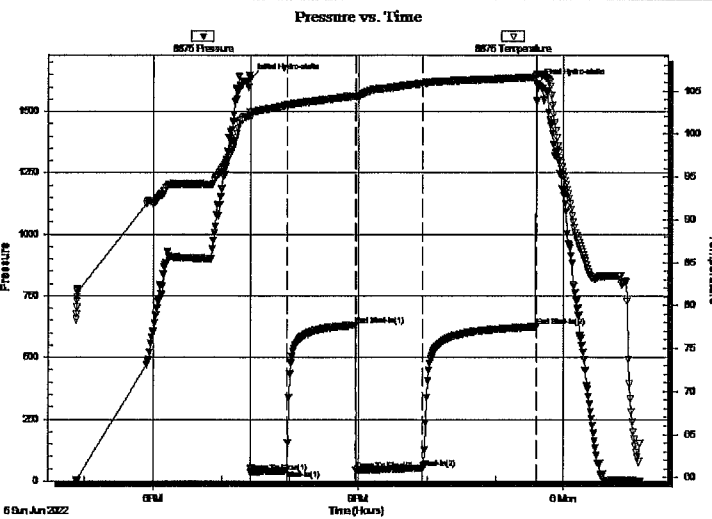
35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69045 **DST#: 2**
Test Start: 2022.06.05 @ 16:52:00

GENERAL INFORMATION:

Formation: **LKC A-B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:25:32
Time Test Ended: 01:07:02
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Interval: **3424.00 ft (KB) To 3460.00 ft (KB) (TVD)**
Reference Elevations: 2174.00 ft (KB)
Total Depth: 3460.00 ft (KB) (TVD) 2166.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8875 Outside
Press@RunDepth: 53.49 psig @ 3425.00 ft (KB) Capacity: psig
Start Date: 2022.06.05 End Date: 2022.06.06 Last Calib.: 2022.06.06
Start Time: 16:52:01 End Time: 01:07:02 Time On Btm: 2022.06.05 @ 19:25:12
Time Off Btm: 2022.06.05 @ 23:36:47

TEST COMMENT: 30-IF-Slid 5' Bled off 2" Blow Surface to 3/4"
60-ISI-No Return
60-FF-Surface to 1"
90-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.08	102.44	Initial Hydro-static
1	35.61	102.26	Open To Flow (1)
32	42.84	103.31	Shut-In(1)
93	631.68	104.38	End Shut-In(1)
93	43.80	104.29	Open To Flow (2)
151	53.49	105.91	Shut-In(2)
251	625.73	106.64	End Shut-In(2)
252	1615.64	106.93	Final Hydro-static

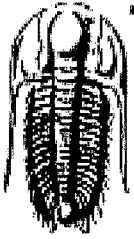
Recovery

Length (ft)	Description	Volume (bbl)
80.00	WCM 10%W 90%M	0.86

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S St Francis Ave
 Wichita KS 67202
 ATTN: Jason Alm

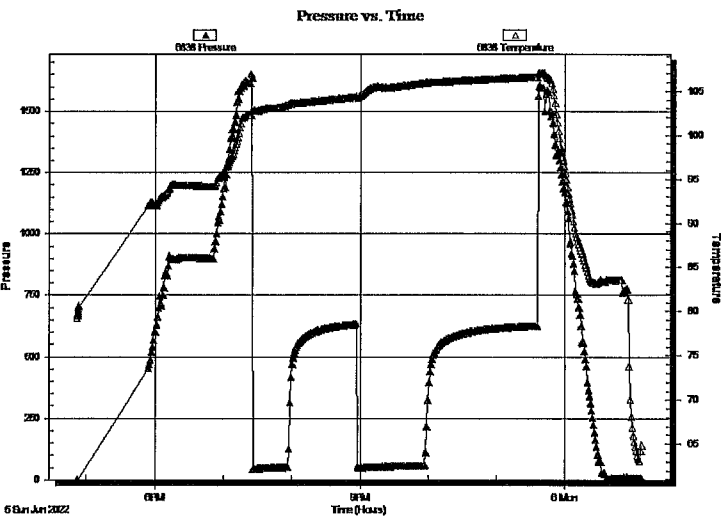
35-10s-21w Graham,KS
Lewis ABC #7
 Job Ticket: 69045 **DST#: 2**
 Test Start: 2022.06.05 @ 16:52:00

GENERAL INFORMATION:

Formation: **LKC A-B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:25:32
 Time Test Ended: 01:07:02
 Interval: **3424.00 ft (KB) To 3460.00 ft (KB) (TVD)**
 Total Depth: 3460.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2174.00 ft (KB)
 2166.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6838 Inside
 Press@RunDepth: psig @ 3425.00 ft (KB) Capacity: psig
 Start Date: 2022.06.05 End Date: 2022.06.06 Last Calib.: 2022.06.06
 Start Time: 16:52:01 End Time: 01:07:41 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-Slid 5' Bled off 2" Blow Surface to 3/4"
 60-ISI-No Return
 60-FF-Surface to 1"
 90-FSI-No Return

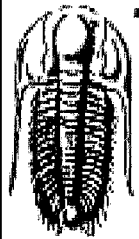


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
80.00	WCM 10%W 90%M	0.86

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69045

DST#: 2

ATTN: Jason Alm

Test Start: 2022.06.05 @ 16:52:00

Tool Information

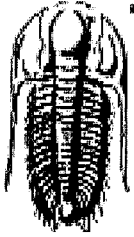
Drill Pipe:	Length: 3385.00 ft	Diameter: 3.82 inches	Volume: 47.98 bbl	Tool Weight: 2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 daN
			<u>Total Volume: - bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 45000.00 daN
Depth to Top Packer:	3424.00 ft			Final 45000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3398.00	
Shut In Tool	5.00			3403.00	
Hydraulic tool	5.00			3408.00	
Gap Sub	4.00			3412.00	
Safety Joint	3.00			3415.00	
Packer	5.00			3420.00	27.00 Bottom Of Top Packer
Packer	4.00			3424.00	
Stubb	1.00			3425.00	
Recorder	0.00	6838	Inside	3425.00	
Recorder	0.00	8875	Outside	3425.00	
Perforations	31.00			3456.00	
Bullnose	4.00			3460.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69045

DST#: 2

ATTN: Jason Alm

Test Start: 2022.06.05 @ 16:52:00

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:

63000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	WCM 10%W 90%M	0.856

Total Length: 80.00 ft

Total Volume: 0.856 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

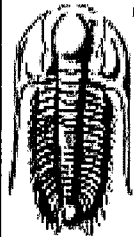
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

RW+.145@59F



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S St Francis Ave
 Wichita KS 67202
 ATTN: Jason Alm

35-10s-21w Graham,KS
Lewis ABC #7
 Job Ticket: 69046 **DST#: 3**
 Test Start: 2022.06.06 @ 11:23:01

GENERAL INFORMATION:

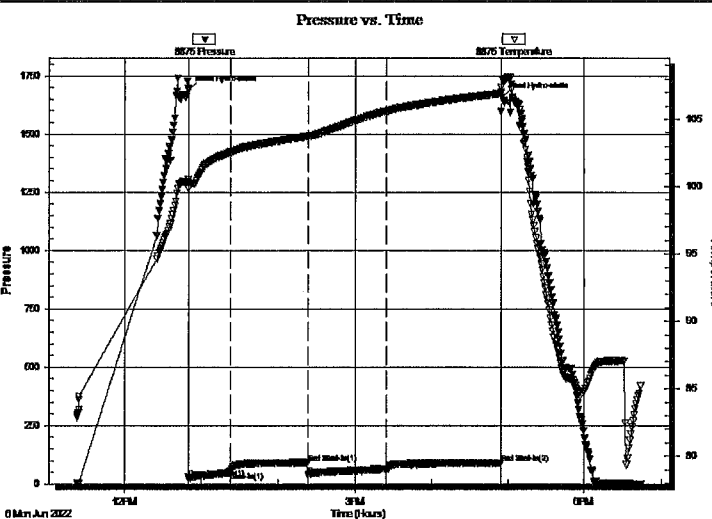
Formation: **LKC D-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:50:12
 Time Test Ended: 18:44:07
 Interval: **3483.00 ft (KB) To 3528.00 ft (KB) (TVD)**
 Total Depth: 3528.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2174.00 ft (KB)
 2166.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 63.23 psig @ 3486.00 ft (KB) Capacity: psig
 Start Date: 2022.06.06 End Date: 2022.06.06 Last Calib.: 2022.06.06
 Start Time: 11:23:01 End Time: 18:44:07 Time On Btm: 2022.06.06 @ 12:50:07
 Time Off Btm: 2022.06.06 @ 16:55:42

TEST COMMENT: 30-IF-BOB 29 mins
 60-ISI-Very Weak Surface Blow
 60-FF-Surface to 3.5"
 90-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.16	100.54	Initial Hydro-static
1	24.52	99.86	Open To Flow (1)
33	49.35	102.54	Shut-In(1)
94	91.04	103.75	End Shut-In(1)
94	38.49	103.75	Open To Flow (2)
155	63.23	105.61	Shut-In(2)
245	89.61	106.97	End Shut-In(2)
246	1658.13	107.98	Final Hydro-static

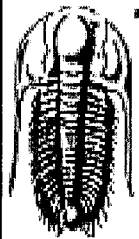
Recovery

Length (ft)	Description	Volume (bbl)
100.00	GMO 20%G 30%M 50%O	1.14
0.00	300 GIP	0.00

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69046 **DST#: 3**
Test Start: 2022.06.06 @ 11:23:01

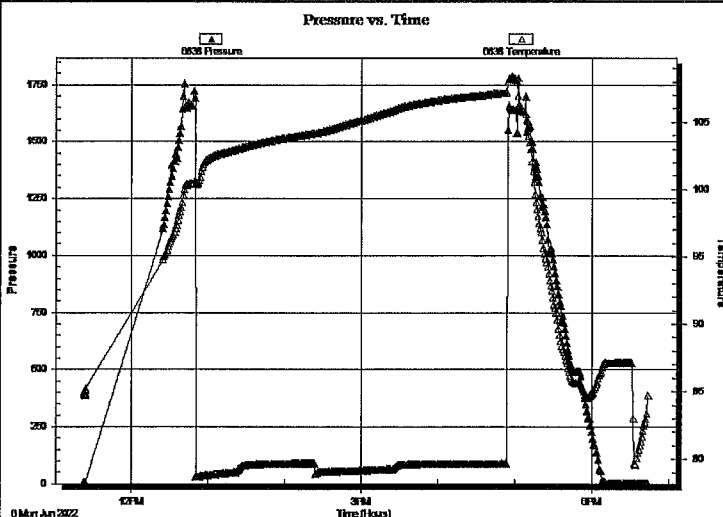
GENERAL INFORMATION:

Formation: **LKC D-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:50:12
Time Test Ended: 18:44:07
Interval: **3483.00 ft (KB) To 3528.00 ft (KB) (TVD)**
Total Depth: 3528.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Reference Elevations: 2174.00 ft (KB)
2166.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6838 **Inside**
Press@RunDepth: psig @ 3486.00 ft (KB) Capacity: psig
Start Date: 2022.06.06 End Date: 2022.06.06 Last Calib.: 2022.06.06
Start Time: 11:23:01 End Time: 18:44:07 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-BOB 29 mins
60-ISI-Very Weak Surface Blow
60-FF-Surface to 3.5"
90-FSI-No Return



PRESSURE SUMMARY

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

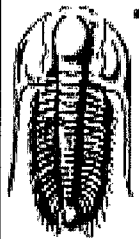
Recovery

Length (ft)	Description	Volume (bbl)
100.00	GMO 20%G 30%M 50%O	1.14
0.00	300 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

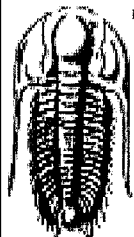
35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69046 **DST#: 3**
Test Start: 2022.06.06 @ 11:23:01

Tool Information

Drill Pipe:	Length: 3444.00 ft	Diameter: 3.82 inches	Volume: 48.82 bbl	Tool Weight: 2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 daN
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 47000.00 daN
Depth to Top Packer:	3483.00 ft			Final 47000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	77.00 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			3452.00	
Shut In Tool	5.00			3457.00	
Hydraulic tool	5.00			3462.00	
Jars	5.00			3467.00	
Gap Sub	4.00			3471.00	
Safety Joint	3.00			3474.00	
Packer	5.00			3479.00	32.00 Bottom Of Top Packer
Packer	4.00			3483.00	
Stubb	1.00			3484.00	
Perforations	1.00			3485.00	
Change Over Sub	1.00			3486.00	
Recorder	0.00	6838	Inside	3486.00	
Recorder	0.00	8875	Inside	3486.00	
Drill Pipe	32.00			3518.00	
Change Over Sub	1.00			3519.00	
Perforations	5.00			3524.00	
Bullnose	4.00			3528.00	45.00 Bottom Packers & Anchor
Total Tool Length:	77.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69046

DST#: 3

ATTN: Jason Alm

Test Start: 2022.06.06 @ 11:23:01

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	GMO 20%G 30%M 50%O	1.140
0.00	300 GIP	0.000

Total Length: 100.00 ft

Total Volume: 1.140 bbl

Num Fluid Samples: 0

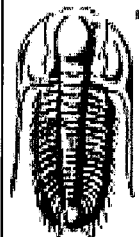
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S St Francis Ave
 Wichita KS 67202
 ATTN: Jason Alm

35-10s-21w Graham,KS
Lewis ABC #7
 Job Ticket: 69047 **DST#: 4**
 Test Start: 2022.06.07 @ 08:15:00

GENERAL INFORMATION:

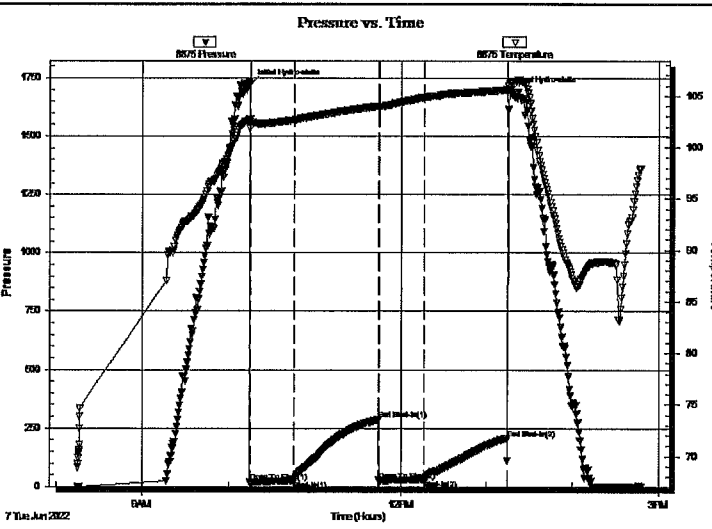
Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:15:17
 Time Test Ended: 14:47:32
 Interval: **3555.00 ft (KB) To 3622.00 ft (KB) (TVD)**
 Total Depth: 3622.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2174.00 ft (KB)
 2166.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 30.84 psig @ 3558.00 ft (KB) Capacity: psig
 Start Date: 2022.06.07 End Date: 2022.06.07 Last Calib.: 2022.06.07
 Start Time: 08:15:01 End Time: 14:47:32 Time On Btm: 2022.06.07 @ 10:15:07
 Time Off Btm: 2022.06.07 @ 13:15:47

TEST COMMENT: 30-IF-Surface to 1/2" Died
 60-ISI-No Return
 30-FF-No Blow
 60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1725.54	102.71	Initial Hydro-static
1	19.17	102.28	Open To Flow (1)
31	26.53	102.67	Shut-In(1)
90	286.01	104.02	End Shut-In(1)
90	27.18	104.00	Open To Flow (2)
121	30.84	104.87	Shut-In(2)
180	207.04	105.62	End Shut-In(2)
181	1692.22	106.21	Final Hydro-static

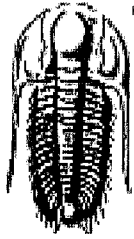
Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 7%O 93%M	0.10

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

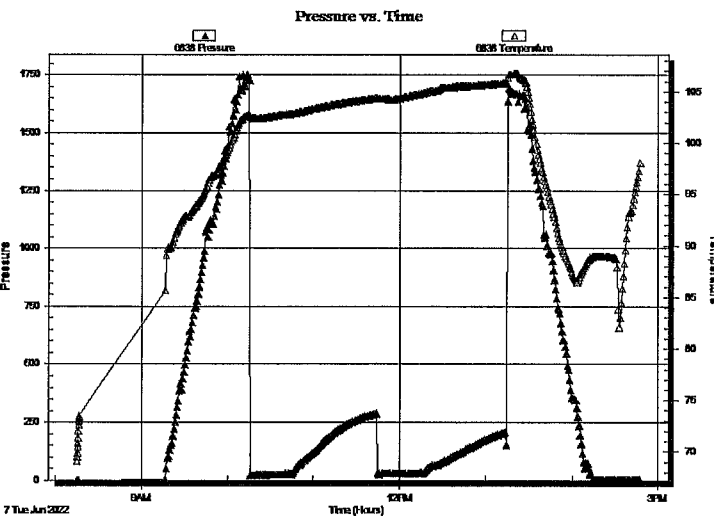
35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69047 **DST#: 4**
Test Start: 2022.06.07 @ 08:15:00

GENERAL INFORMATION:

Formation: **LKC H-J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:15:17
Time Test Ended: 14:47:32
Interval: **3555.00 ft (KB) To 3622.00 ft (KB) (TVD)**
Total Depth: 3622.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Reference Elevations: 2174.00 ft (KB)
2166.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6838 **Inside**
Press@RunDepth: psig @ 3558.00 ft (KB) Capacity: psig
Start Date: 2022.06.07 End Date: 2022.06.07 Last Callib.: 2022.06.07
Start Time: 08:15:01 End Time: 14:47:32 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Surface to 1/2" Died
60-ISI-No Return
30-FF-No Blow
60-FSI-No Return



PRESSURE SUMMARY

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

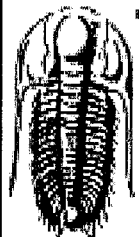
Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 7%O 93%M	0.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69047 **DST#: 4**
Test Start: 2022.06.07 @ 08:15:00

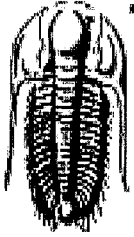
Tool Information

Drill Pipe:	Length: 3507.00 ft	Diameter: 3.82 inches	Volume: 49.71 bbl	Tool Weight: 2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 daN
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 48000.00 daN
Depth to Top Packer:	3555.00 ft			Final 48000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3524.00	
Shut In Tool	5.00			3529.00	
Hydraulic tool	5.00			3534.00	
Jars	5.00			3539.00	
Gap Sub	4.00			3543.00	
Safety Joint	3.00			3546.00	
Packer	5.00			3551.00	32.00 Bottom Of Top Packer
Packer	4.00			3555.00	
Stubb	1.00			3556.00	
Perforations	1.00			3557.00	
Change Over Sub	1.00			3558.00	
Recorder	0.00	6838	Inside	3558.00	
Recorder	0.00	8875	Inside	3558.00	
Drill Pipe	32.00			3590.00	
Change Over Sub	1.00			3591.00	
Perforations	27.00			3618.00	
Bullnose	4.00			3622.00	67.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69047

DST#: 4

ATTN: Jason Alm

Test Start: 2022.06.07 @ 08:15:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	SOCM 7%O 93%M	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

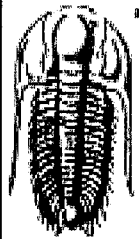
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69048 **DST#: 5**
Test Start: 2022.06.07 @ 23:43:00

GENERAL INFORMATION:

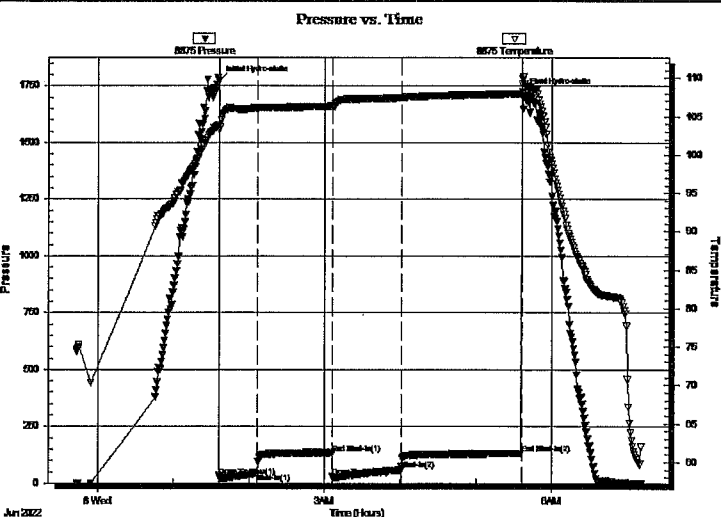
Formation: **LKC K-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:35:47
Time Test Ended: 07:11:27
Interval: **3617.00 ft (KB) To 3662.00 ft (KB) (TVD)**
Total Depth: 3662.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Reference Elevations: 2174.00 ft (KB)
2166.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 59.49 psig @ 3620.00 ft (KB) Capacity: psig
Start Date: 2022.06.07 End Date: 2022.06.08 Last Calib.: 2022.06.08
Start Time: 23:43:01 End Time: 07:11:26 Time On Btm: 2022.06.08 @ 01:35:42
Time Off Btm: 2022.06.08 @ 05:36:51

TEST COMMENT: 30-IF-BOB 1 min Hint of GTS @ 20 mins Built to 551"
60-ISI-Definite GTS during bleed off No Return Blow
60-FF-BOB instantaneously GTS TSTM Built to 820"
90-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.39	103.87	Initial Hydro-static
1	31.65	103.28	Open To Flow (1)
31	44.02	106.06	Shut-In(1)
91	133.81	106.31	End Shut-In(1)
91	29.71	106.31	Open To Flow (2)
145	59.49	107.42	Shut-In(2)
241	131.20	108.02	End Shut-In(2)
242	1722.64	109.87	Final Hydro-static

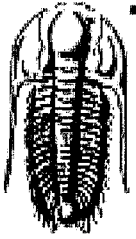
Recovery

Length (ft)	Description	Volume (bbl)
45.00	OCM 15%O 85%M	0.36
0.00	GTS	0.00

* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

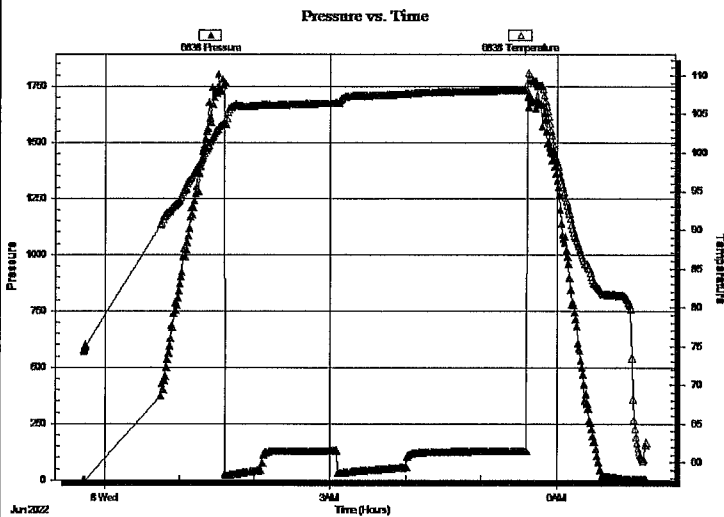
35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69048 **DST#: 5**
Test Start: 2022.06.07 @ 23:43:00

GENERAL INFORMATION:

Formation: **LKC K-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:35:47
Time Test Ended: 07:11:27
Interval: **3617.00 ft (KB) To 3662.00 ft (KB) (TVD)**
Total Depth: 3662.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2174.00 ft (KB)
2166.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6838 Inside
Press@RunDepth: psig @ 3620.00 ft (KB) Capacity: psig
Start Date: 2022.06.07 End Date: 2022.06.08 Last Calib.: 2022.06.08
Start Time: 23:43:01 End Time: 07:11:26 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-BOB 1 min Hint of GTS @ 20 mins Built to 551"
60-ISI-Definite GTS during bleed off No Return Blow
60-FF-BOB instantaneously GTS TSTM Built to 820"
90-FSI-No Return



PRESSURE SUMMARY

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

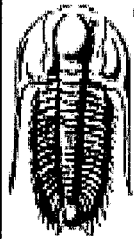
Recovery

Length (ft)	Description	Volume (bbl)
45.00	OCM 15%O 85%M	0.36
0.00	GTS	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69048

DST#: 5

ATTN: Jason Alm

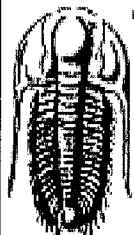
Test Start: 2022.06.07 @ 23:43:00

Tool Information

Drill Pipe:	Length: 3571.00 ft	Diameter: 3.82 inches	Volume: 50.62 bbl	Tool Weight: 2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 daN
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 49000.00 daN
Depth to Top Packer:	3617.00 ft			Final 49000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3586.00	
Shut In Tool	5.00			3591.00	
Hydraulic tool	5.00			3596.00	
Jars	5.00			3601.00	
Gap Sub	4.00			3605.00	
Safety Joint	3.00			3608.00	
Packer	5.00			3613.00	32.00 Bottom Of Top Packer
Packer	4.00			3617.00	
Stubb	1.00			3618.00	
Perforations	1.00			3619.00	
Change Over Sub	1.00			3620.00	
Recorder	0.00	6838	Inside	3620.00	
Recorder	0.00	8875	Inside	3620.00	
Drill Pipe	32.00			3652.00	
Change Over Sub	1.00			3653.00	
Perforations	5.00			3658.00	
Bullnose	4.00			3662.00	45.00 Bottom Packers & Anchor
Total Tool Length:	77.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69048

DST#: 5

ATTN: Jason Alm

Test Start: 2022.06.07 @ 23:43:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	OCM 15%O 85%M	0.360
0.00	GTS	0.000

Total Length: 45.00 ft Total Volume: 0.360 bbl

Num Fluid Samples: 0

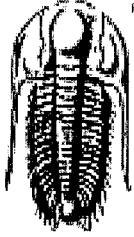
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company

35-10s-21w Graham, KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69049

DST#: 6

ATTN: Jason Alm

Test Start: 2022.06.08 @ 17:50:01

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:51:22

Time Test Ended: 03:15:37

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: **3657.00 ft (KB) To 3739.00 ft (KB) (TVD)**

Reference Elevations: 2174.00 ft (KB)

Total Depth: 3739.00 ft (KB) (TVD)

2166.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8875**

Inside

Press@RunDepth: 277.20 psig @ 3660.00 ft (KB)

Capacity: psig

Start Date: 2022.06.08

End Date:

2022.06.09

Last Calib.: 2022.06.09

Start Time: 17:50:01

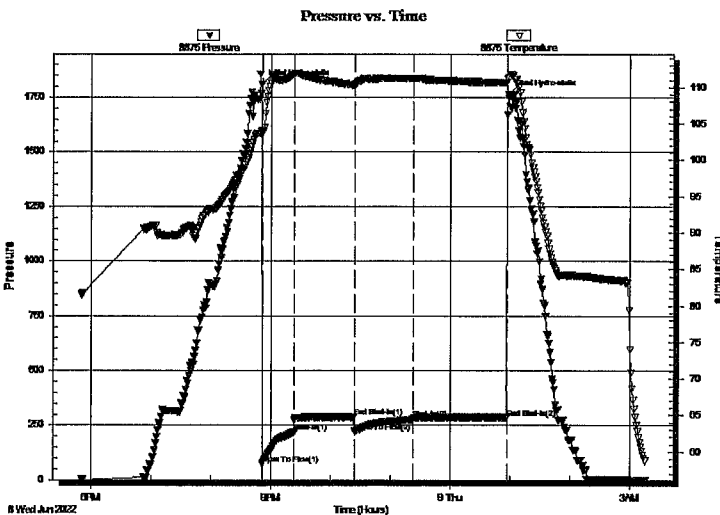
End Time:

03:15:36

Time On Btm: 2022.06.08 @ 20:50:52

Time Off Btm: 2022.06.09 @ 00:58:17

TEST COMMENT: 30-IF-BOB 3 mins Built to 46"
60-ISI-Very Weak Surface Blow
60-FF-BOB 60 mins
90-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1809.99	104.02	Initial Hydro-static
1	72.95	103.78	Open To Flow (1)
33	219.02	111.86	Shut-In(1)
93	286.59	110.27	End Shut-In(1)
94	221.83	110.27	Open To Flow (2)
153	277.20	111.26	Shut-In(2)
246	286.07	110.70	End Shut-In(2)
248	1762.10	111.38	Final Hydro-static

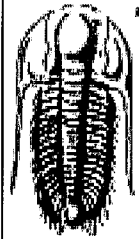
Recovery

Length (ft)	Description	Volume (bbl)
365.00	GWCMO 15%G 10%W 35%M 40%O	4.90
250.00	GMCO 20%G 15%M 65%O	3.54

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202
ATTN: Jason Alm

35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69049 **DST#: 6**
Test Start: 2022.06.08 @ 17:50:01

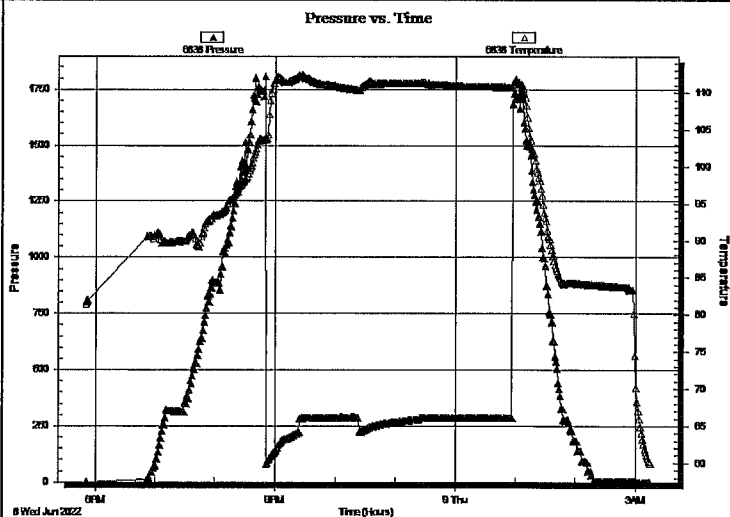
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 20:51:22 Tester: Spencer J Staab
 Time Test Ended: 03:15:37 Unit No: 84
 Interval: **3657.00 ft (KB) To 3739.00 ft (KB) (TVD)**
 Reference Elevations: 2174.00 ft (KB)
 Total Depth: 3739.00 ft (KB) (TVD) 2166.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 3660.00 ft (KB) Capacity: psig
 Start Date: 2022.06.08 End Date: 2022.06.09 Last Calib.: 2022.06.09
 Start Time: 17:50:01 End Time: 03:15:36 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-BOB 3 mins Built to 46"
 60-ISI-Very Weak Surface Blow
 60-FF-BOB 60 mins
 90-FSI-No Return



PRESSURE SUMMARY

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

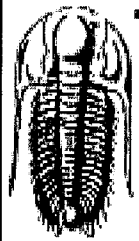
Recovery

Length (ft)	Description	Volume (bbl)
365.00	GWCMO 15%G 10%W 35%M 40%O	4.90
250.00	GMCO 20%G 15%M 65%O	3.54

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69049

DST#: 6

ATTN: Jason Alm

Test Start: 2022.06.08 @ 17:50:01

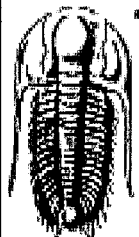
Tool Information

Drill Pipe:	Length: 3601.00 ft	Diameter: 3.82 inches	Volume: 51.05 bbl	Tool Weight: 2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 daN
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 49000.00 daN
Depth to Top Packer:	3657.00 ft			Final 52000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3626.00	
Shut In Tool	5.00			3631.00	
Hydraulic tool	5.00			3636.00	
Jars	5.00			3641.00	
Gap Sub	4.00			3645.00	
Safety Joint	3.00			3648.00	
Packer	5.00			3653.00	32.00 Bottom Of Top Packer
Packer	4.00			3657.00	
Stubb	1.00			3658.00	
Perforations	1.00			3659.00	
Change Over Sub	1.00			3660.00	
Recorder	0.00	6838	Inside	3660.00	
Recorder	0.00	8875	Inside	3660.00	
Drill Pipe	63.00			3723.00	
Change Over Sub	1.00			3724.00	
Perforations	11.00			3735.00	
Bullnose	4.00			3739.00	82.00 Bottom Packers & Anchor
Total Tool Length:	114.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69049

DST#: 6

ATTN: Jason Alm

Test Start: 2022.06.08 @ 17:50:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

33000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
365.00	GWCMO 15%G 10%W 35%M 40%O	4.896
250.00	GMCO 20%G 15%M 65%O	3.544

Total Length: 615.00 ft Total Volume: 8.440 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

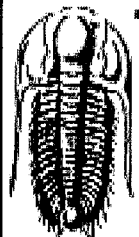
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

RW=.248@58F



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S St Francis Ave
 Wichita KS 67202
 ATTN: Jason Alm

35-10s-21w Graham,KS
Lewis ABC #7
 Job Ticket: 69050 **DST#: 7**
 Test Start: 2022.06.09 @ 10:10:00

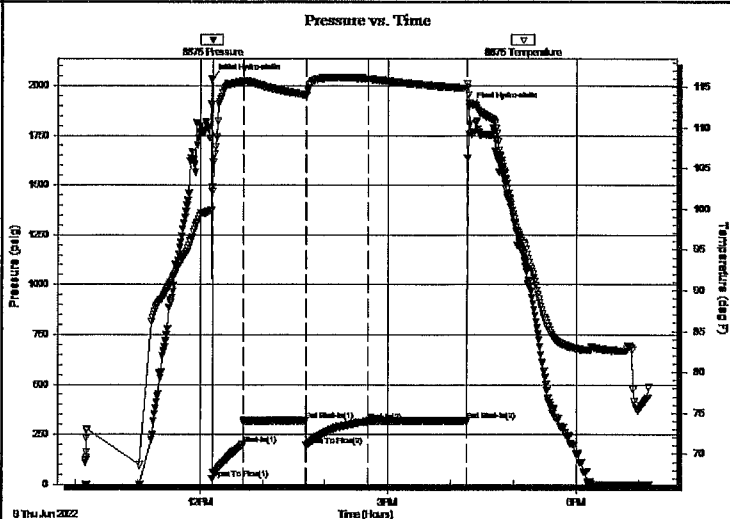
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:11:27
 Time Test Ended: 19:09:42
Interval: 3739.00 ft (KB) To 3749.00 ft (KB) (TVD)
 Total Depth: 3749.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2174.00 ft (KB)
 2166.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8875 Outside
 Press@RunDepth: 314.31 psig @ 3740.00 ft (KB) Capacity: psig
 Start Date: 2022.06.09 End Date: 2022.06.09 Last Calib.: 2022.06.09
 Start Time: 10:10:01 End Time: 19:09:42 Time On Btm: 2022.06.09 @ 12:11:17
 Time Off Btm: 2022.06.09 @ 16:17:12

TEST COMMENT: 30-IF-BOB 7.5 mins Built to 27"
 60-ISI-Very Weak Surface
 60-FF-BOB 28 mins Built to 14" Died back to 9"
 90-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2035.77	102.66	Initial Hydro-static
1	27.50	102.18	Open To Flow (1)
30	199.05	115.73	Shut-In(1)
90	319.30	114.01	End Shut-In(1)
90	196.63	114.00	Open To Flow (2)
150	314.31	116.00	Shut-In(2)
244	319.43	114.91	End Shut-In(2)
246	1892.53	113.04	Final Hydro-static

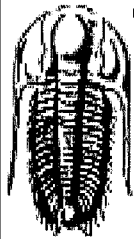
Recovery

Length (ft)	Description	Volume (bbl)
420.00	SW 100%W	5.68
300.00	WO 30%W 70%O	4.25

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company
202 S St Francis Ave
Wichita KS 67202

ATTN: Jason Alm

35-10s-21w Graham,KS
Lewis ABC #7
Job Ticket: 69050 **DST#:7**
Test Start: 2022.06.09 @ 10:10:00

Tool Information

Drill Pipe:	Length: 3695.00 ft	Diameter: 3.82 inches	Volume: 52.38 bbl	Tool Weight: 2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 85000.00 daN
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 daN
Depth to Top Packer:	3739.00 ft			Final 53000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

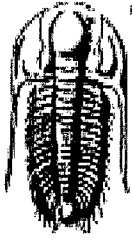
Tool Comments:

Tool Description

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

Change Over Sub	1.00			3708.00	
Shut In Tool	5.00			3713.00	
Hydraulic tool	5.00			3718.00	
Jars	5.00			3723.00	
Gap Sub	4.00			3727.00	
Safety Joint	3.00			3730.00	
Packer	5.00			3735.00	32.00 Bottom Of Top Packer
Packer	4.00			3739.00	
Stubb	1.00			3740.00	
Recorder	0.00	6838	Inside	3740.00	
Recorder	0.00	8875	Outside	3740.00	
Perforations	5.00			3745.00	
Bullnose	4.00			3749.00	10.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

35-10s-21w Graham,KS

202 S St Francis Ave
Wichita KS 67202

Lewis ABC #7

Job Ticket: 69050

DST#: 7

ATTN: Jason Alm

Test Start: 2022.06.09 @ 10:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	SW 100%W	5.676
300.00	WO 30%W 70%O	4.253

Total Length: 720.00 ft Total Volume: 9.929 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

RW=.235@65F

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. 2795

Date	6-2-22	Sec.	35	Twp.	10	Range	21	County	Graham	State	KS	On Location	Finish
													1:30 Am

Location *Ellis 15 N T O E E R D 36 W*

Lease	Lewis ABC	Well No.	7	Owner	To Quality Oilwell Cementing, Inc.
Contractor	Discovery			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	SURFACE			Charge To	GORE OIL COMPANY
Hole Size	2 7/8	T.D.	265	Street	
Csg.	8 5/8	Depth		City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	200# Com 3-2
Cement Left in Csg.	15	Shoe Joint			
Meas Line		Displace	0.5.8		

EQUIPMENT

Pumptrk	17	No.	Cementer	Bill	Common	200
			Helper		Poz. Mix	
Bulktrk		No.	Driver	WIDE	Gel.	4
			Driver		Calcium	7
Bulktrk	9	No.	Driver	Tim		
			Driver			

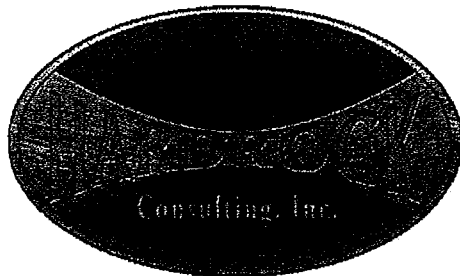
JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>RAW Its of 6 5/8 size</i>	Sand
<i>com of 200#</i>	Handling 211
<i>Pump Plug w/ 15.8 bbls</i>	Mileage
<i>cent did CIR.</i>	FLOAT EQUIPMENT
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge <i>Surface</i>
	Mileage <i>34</i>

<p style="font-size: 2em; margin: 0;"><i>Thanks</i></p>	Tax Discount Total Charge
X Signature	

Geological Report

Lewis ABC #7
1320' FNL & 330' FEL
Sec. 35 T10s R21w
Graham County, Kansas



Gore Oil Company

General Data

Well Data: Gore Oil Company
Lewis ABC #7
1320' FNL & 330' FEL
Sec. 35 T10s R21w
Graham County, Kansas
API # 15-065-24216-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #4

Geologist: Jason T Alm

Spud Date: June 1, 2022

Completion Date: June 11, 2022

Elevation: 2166' Ground Level
2174' Kelly Bushing

Directions: Riga KS, North 9 mi to County Line. East 1 ¼ mi.
North ¾ mi. West and North into location.

Casing: 264' 8 5/8" surface casing
3855' 5 1/2 " production casing

Samples: 10' wet and dry, 3100' to RTD

Drilling Time: 3100' to RTD

Electric Logs: ELI "Jeff Luebbers"
CNL/CDL, DIL, MEL, BHCS

Drillstem Tests: Seven, Trilobite Testing, Inc. "Spencer Staab"

Problems: None

Remarks: None

Formation Tops

Formation	Gore Oil Company Lewis ABC #7 Sec. 35 T10s R21w 1320' FNL & 330' FEL
Anhydrite	1625' +549
Base	1670' +504
Topeka	3187' -1013
Heebner	3390' -1216
Toronto	3418' -1244
Lansing	3434' -1260
Muncie Creek	3560' -1386
BKC	3660' -1486
Arbuckle	3729' -1555
LTD	3856' -1582
RTD	3855' -1581

Significant Sample Zone Descriptions

- Topeka 30' Zone** **(3212' -1038): Covered in DST #1**
 Ls – Fine crystalline with fair-good pinpoint inter-crystalline and vuggy porosity, light to fair oil stain, many rocks with light to fair spotted saturation, fair show of free oil when broken and on sample cup, good odor.
- LKC A** **(3434', -1260): Covered in DST #2**
 Ls – Fine crystalline with poor to fair vuggy and pinpoint inter-crystalline porosity, fair light brown oil stain in porosity with scat poor to fair saturation, slight show of free oil when broken, fair show of free oil on cup, fair to good odor.
- LKC B** **(3444' -1270): Covered in DST #2**
 Ls – Fine to medium crystalline with fair vuggy and inter-crystalline porosity, light to fair oil stain with scattered light saturation, fair show of free oil on break, fair show of free oil on cup, good odor.
- LKC D** **(3492' -1318): Covered in DST #3**
 Ls – Fine crystalline with scattered poor inter-crystalline and pinpoint vuggy porosity, few pieces with good oil stain and saturation, fair show of free oil when broken, fair odor.

- LKC F** (3519' -1344): **Covered in DST #3**
Ls – Fine crystalline, oolitic in part with fair scattered oolitic and fair inter-crystalline to vuggy porosity, light to fair spotted oil stain, few rocks with light saturation, show of free oil when broken, good show of free on cup, strong odor.
- LKC I** (3590' -1416): **Covered in DST #4**
Ls – Fine to medium crystalline with poor to fair inter-crystalline and vuggy porosity, light to good stain in porosity, few rocks with light saturation, slight show of free oil when broken, fair odor.
- LKC K** (3626' -1452): **Covered in DST #5**
Ls – Fine to medium crystalline with fair vuggy and scattered inter-crystalline porosity, light to fair oil stain in part, light scattered saturation, few rocks with dead oil stain, slight show of free oil on break and cup, very light odor.
- Arbuckle** (3729' -1555): **Covered in DST #6, 7**
Dolo – Fine to medium rhombic crystalline with fair to good inter-crystalline and scattered fair vuggy porosity, light to good oil stain, much even saturation, good show of free oil, good odor.

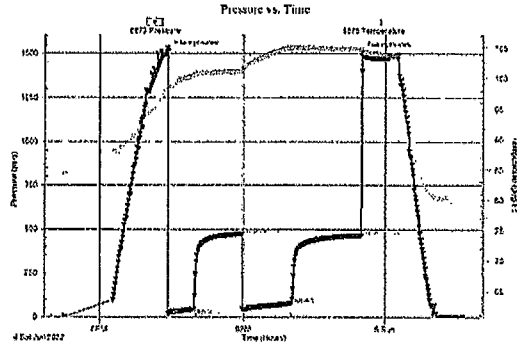
Drill Stem Tests
 Trilobite Testing, Inc.
 "Spencer Staab"

DST #1 Topeka 30' Zone

Interval (3203' -3230') Anchor Length 27'

IHP - 1516 #
 IFP - 30" - Built to 2 1/2 in. 17-44 #
 ISI - 60" - Dead 474 #
 FFP - 60" - Built to 1 1/2 in. 46-77 #
 FSI - 90" - Dead 466 #
 FHP - 1508 #
 BHT - 104°F

Recovery: 5' Clean Oil
 125' MCW 90% Water

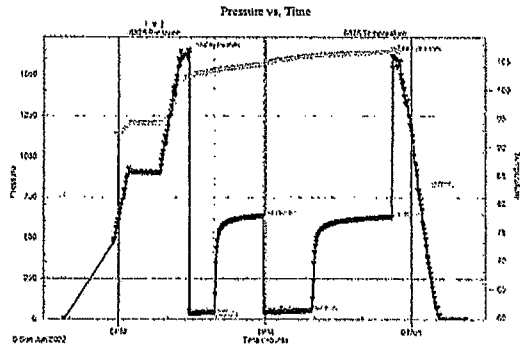


DST #2 Lansing-Kansas City A-B

Interval (3424' - 3460') Anchor Length 36'

IHP - 1635 #
 IFP - 30" - Built to 3/4 in. 35-43 #
 ISI - 60" - Dead 632 #
 FFP - 60" - Built to 1 in. 43-53 #
 FSI - 90" - Dead 626 #
 FHP - 1616 #
 BHT - 106°F

Recovery: 80' WCM 10% Water

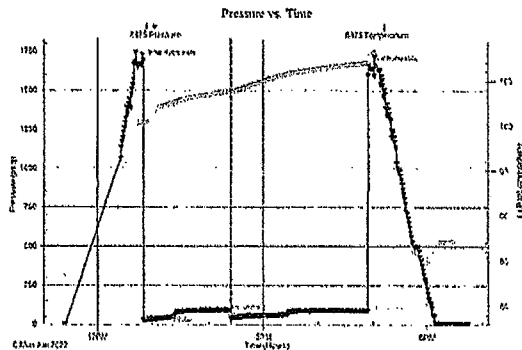


DST #3 Lansing-Kansas City D-F

Interval (3483' - 3528') Anchor Length 45'

IHP - 1688 #
 IFP - 30" - BOB 29 min. 24-49 #
 ISI - 60" - WSB 91 #
 FFP - 60" - Built to 3 1/2 in. 38-63 #
 FSI - 90" - Dead 90 #
 FHP - 1658 #
 BHT - 107°F

Recovery: 300' GIP
 100' MCO 50% Oil

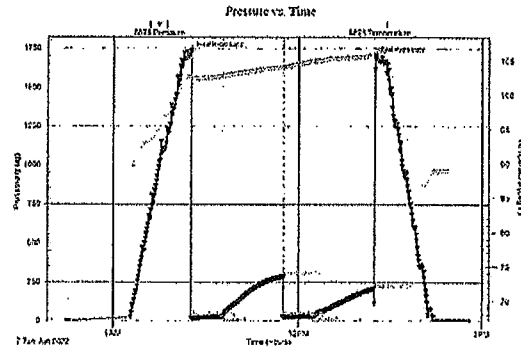


DST #4 Lansing-Kansas City H-J

Interval (3555' - 3622') Anchor Length 67'

IHP	- 1726 #	
IFP	- 30" - Built to 1/2 in.	19-27 #
ISI	- 60" - Dead	286 #
FFP	- 30" - Dead	27-31 #
FSI	- 60" - Dead	207 #
FHP	- 1692#	
BHT	- 106°F	

Recovery: 20' SOCM 7% Oil

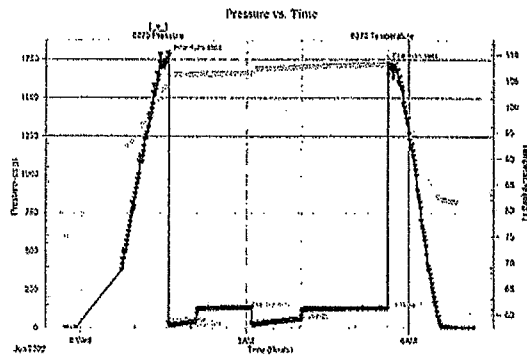


DST #5 Lansing-Kansas City K-L

Interval (3617' - 3662') Anchor Length 45'

IHP	- 1775 #	
IFP	- 30" - BOB 1 min.	31-44 #
ISI	- 60" - Dead	134 #
FFP	- 60" - BOB Imm.	29-59 #
FSI	- 90" - Dead	131 #
FHP	- 1722 #	
BHT	- 109°F	

Recovery: GTS 20 min.
45' OCM 15% Oil

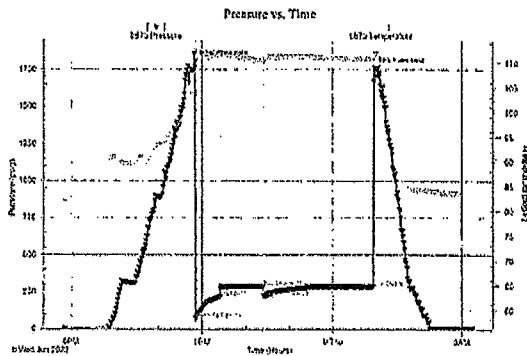


DST #6 Arbuckle

Interval (3657' - 3739') Anchor Length 82'

IHP	- 1809 #	
IFP	- 30" - BOB 3 min.	72-219 #
ISI	- 60" - VWSB	287 #
FFP	- 60" - BOB 60 min.	221-277 #
FSI	- 90" - Dead	286 #
FHP	- 1762 #	
BHT	- 111°F	

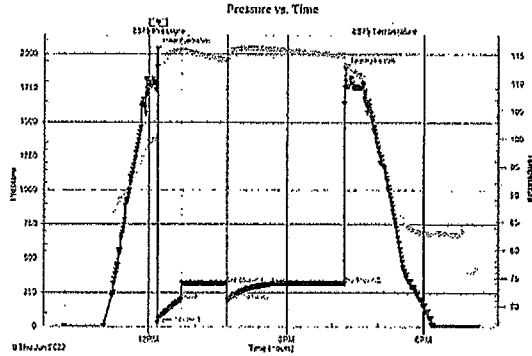
Recovery: 250' GMCO 65% Oil
365' GWCMO 40% Oil



DST #7 Arbuckle

Interval (3739' - 3749') Anchor Length 10'

IHP - 2035 #
 IFP - 30" - BOB 7 1/2 min. 27-199 #
 ISI - 60" - VWSB 319#
 FFP - 60" - BOB 28 min. 196-314 #
 FSI - 90" - Dead 319 #
 FHP - 1892 #
 BHT - 116°F



Recovery: 300' WCO 70% Oil
 420' SW

Structural Comparison

Formation	Gore Oil Company	Harry Gore & Stanolind		Gore & Stanolind	
	Lewis ABC #7 Sec. 35 T10s R21w 1320' FNL & 330' FEL	Lewis #1 Sec. 35 T10s R21w NW SE NE		Lewis B #1 Sec. 35 T10s R21w SW NE NE	
Anhydrite	1625' +549	NA	NA	NA	NA
Base	1670' +504	NA	NA	NA	NA
Topeka	3187' -1013	-1017	(+4)	-1025	(+12)
Heebner	3390' -1216	-1219	(+3)	-1229	(+13)
Toronto	3418' -1244	-1246	(+2)	NA	NA
Lansing	3434' -1260	-1261	(+1)	-1269	(+9)
Muncie Creek	3560' -1386	-1387	(+1)	NA	NA
BKC	3660' -1486	-1490	(+4)	NA	NA
Arbuckle	3729' -1555	-1560	(+5)	-1565	(+10)

Summary

The location for the Lewis ABC #7 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Seven Drill Stem Tests were conducted, three of which recovered commercial amounts of oil from the Lansing-Kansas City and Arbuckle Formations. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Lewis ABC #7 well.

Recommended Perforations

Primary:

Arbuckle Lower	(3756' – 3760')	Not Tested
Arbuckle Upper	(3729' – 3734')	DST #1

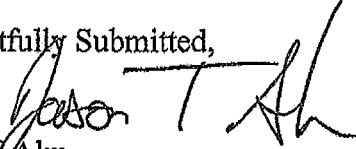
Secondary:

LKC F	(3519' – 3525')	DST #3
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Before Abandonment:

LKC K	(3631' – 3634)	DST #5
	(3638' – 3642')	

Respectfully Submitted,


Jason T. Alm
Hard Rock Consulting, Inc.
AAPG # 10134582