

Confidentiality Requested:

Yes No

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

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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				

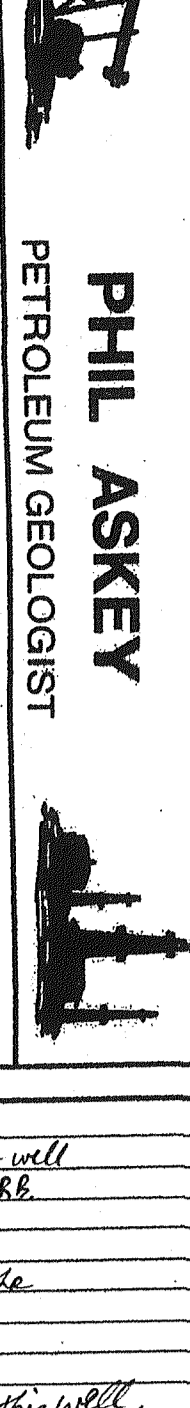
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted 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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PHIL ASKEY PETROLEUM GEOLOGIST GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	Knights Oil Co., Inc.	ELEVATIONS	1239'
LEASE	BGM #1-2	KB	1230'
FIELD	5m. 1/4, Northcast	MEASUREMENTS	KB
LOCATION	NW-SW	AP #	15-035-21782
SEC.	2	TWP	31 S
RNG.	3 E	STATE	Kansas
COUNTY	Cowley	CONTRACTOR	C & S Drilling Co., Inc.
CONTRACTOR	C & S Drilling Co., Inc.	SPUD	8-17-23
SPUD	8-17-23	RD	3487
RD	3487	LTD	8-17-23
MUD UP	1800'	TYPE MUD	Water-based mud
SAMPLES EXAMINED FROM	2400'	TO	R7D
DRILLING TIME KEPT FROM	2000'	TO	R7D
GEOLOGICAL SUPERVISION FROM	2440'	TO	R7D
GEOLOGIST ON WELL	Phil Askey, G.S.G.		

REMARKS: The Knights Oil Co. BGM #1-2 was relatively close structure to the Knight, Barrett #2 well but improved structurally from the latter as it is 20-25' thick on the Knight, Barrett #2 and A-B-B. Mineral shows were observed in the samples in the upper landing and first but not in the upper B-D-D.

The Arkville top had good show in the samples but not in all wells. The Arkville top is thought to be at 600' and another 600' covering a 12' section below the 600' based on the logs was 600' but also tested all wells.

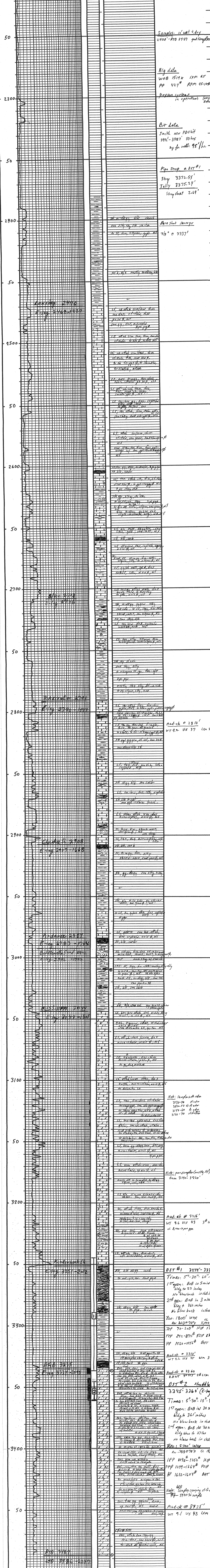
Based on the run logs DST #1 and DST #2 (see add. notes), it was decided to plug and abandon this well.

Phil Askey

LEGEND

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SCALE " = 100'



COMPANY	Knights Oil Co., Inc.	ELEVATION:	1239' KB
LEASE	BGM #1-2		
LOCATION	NW-SW	SEC 2 TWP 31 S RNG 3 E	
COUNTY	Cowley	STATE	Kansas



HURRICANE SERVICES INC

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

Customer:

KNIGHTON OIL COMPANY, INC.
1700 N WATERFRONT PKWY,
BLDG #100 - SUITE A
Wichita, KS 67206

Invoice Date: 8/14/2023
Invoice #: 0370709
Lease Name: GGM
Well #: 1-2 (New)
County: Cowley, Ks
Job Number: EP10028
District: Eureka

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Heavy Equipment Mileage	75.000	4.000	300.00
Light Eq Mileage	75.000	2.000	150.00
Ton Mileage	720.000	1.500	1,080.00
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
H-325	190.000	22.500	4,275.00

Total 6,805.00

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

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

WE APPRECIATE YOUR BUSINESS!



HURRICANE SERVICES INC

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

Customer:

KNIGHTON OIL COMPANY, INC.
1700 N WATERFRONT PKWY,
BLDG #100 - SUITE A
Wichita, KS 67206

Invoice Date: 8/19/2023
Invoice #: 0370720
Lease Name: BGM
Well #: 1-2
County: Cowley, Ks
Job Number: EP10109
District: Eureka

Date/Description	HRS/QTY	Rate	Total
Rotary Plug	0.000	0.000	0.00
Heavy Equipment Mileage	75.000	4.000	300.00
Light Eq Mileage	75.000	2.000	150.00
Ton Mileage	468.000	1.500	702.00
Depth Charge 3001'-4000'	1.000	2,250.000	2,250.00
H-Plug	145.000	14.000	2,030.00
Service Supervisor	1.000	275.000	275.00

Net Invoice	5,707.00
Sales Tax:	308.94
Total	6,015.94

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

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

WE APPRECIATE YOUR BUSINESS!

Hurricane Services, Inc.
 250 N. Water St., Suite #200
 Wichita, KS 67202



Customer	Knighton Oil Co.		Lease & Well #	BGM #1-2		Date	8/19/2023	
Service District	Eureka		County & State	Cowley - KS		Legals S/TR	2-31S-3E	
Job Type	Rotary Plug	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No	Ticket #
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures						
1004	Kevin M.	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging			
1201	Alan M.	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection			
1210	Steve M.	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations			
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations			
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below				
Comments								
API: 15-035-24787								
Product/ Service Code								
	Description	Unit of Measure	Quantity					Net Amount
M010	Heavy Equipment Mileage	mi	75.00					\$300.00
M015	Light Equipment Mileage	mi	75.00					\$150.00
M020	Ton Mileage	tm	468.00					\$702.00
D014	Depth Charge: 3001'-4000'	job	1.00					\$2,250.00
CP055	H-Plug A	sack	145.00					\$2,030.00
R061	Service Supervisor	day	1.00					\$275.00
Customer Section: On the following scale how would you rate Hurricane Services Inc.?								
						Net:	\$5,707.00	
						Total Taxable	\$ -	Tax Rate:
Based on this job, how likely is it you would recommend HSI to a colleague?						State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>						Sale Tax:	\$ -	
##### 1 2 3 4 5 6 7 8 9 10 H(1p)(11q)						Total:	\$ 5,707.00	
						HSI Representative: <i>Kevin McCoy</i>		

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

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



DRILL STEM TEST REPORT

Prepared For: **Knighton Oil Company, Inc.**

1700 N Waterfront PKWY BLDG 100 STE A

ATTN: Phil Askey

BGM #1-2

2-31s-3e Cowley,KS

Start Date: 2023.08.17 @ 19:10:00

End Date: 2023.08.18 @ 04:39:47

Job Ticket #: 71038 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.22 @ 16:25:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Knighton Oil Company, Inc.
 1700 N Waterfront PKWY BLDG 100 STE A
 ATTN: Phil Askey

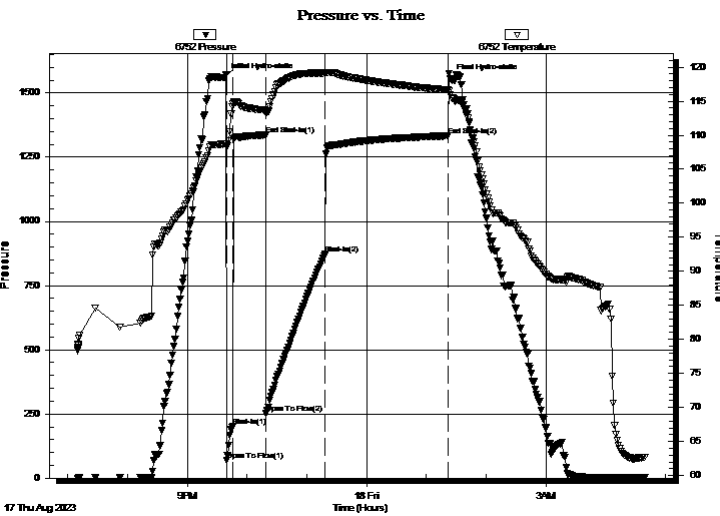
2-31s-3e Cowley,KS
BGM #1-2
 Job Ticket: 71038 **DST#: 1**
 Test Start: 2023.08.17 @ 19:10:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 21:39:47 Tester: Chris Hagman
 Time Test Ended: 04:39:47 Unit No: 69
 Interval: **3245.00 ft (KB) To 3337.00 ft (KB) (TVD)** Reference Elevations: 1238.00 ft (KB)
 Total Depth: 3337.00 ft (KB) (TVD) 1230.00 ft (CF)
 Hole Diameter: 7.80 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 872.08 psig @ 3246.00 ft (KB) Capacity: psig
 Start Date: 2023.08.17 End Date: 2023.08.18 Last Calib.: 1899.12.30
 Start Time: 19:10:01 End Time: 04:39:47 Time On Btm: 2023.08.17 @ 21:38:02
 Time Off Btm: 2023.08.18 @ 01:24:02

TEST COMMENT: IF: 5 min., BOB 3.5 min., strong building blow , 22 inches
 IS: 30 min., no blow back
 FF: 60 min., BOB 3 min., strong building blow . 362 inches
 FS: 120 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.84	108.74	Initial Hydro-static
2	70.32	108.33	Open To Flow (1)
8	202.92	114.55	Shut-In(1)
41	1335.92	113.61	End Shut-In(1)
42	251.56	113.33	Open To Flow (2)
101	872.08	119.10	Shut-In(2)
224	1333.51	116.65	End Shut-In(2)
227	1555.90	115.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1800.00	100% Water	23.06

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Knighton Oil Company, Inc.

2-31s-3e Cowley,KS

1700 N Waterfront PKWY BLDG 100 STE A

BGM #1-2

Job Ticket: 71038

DST#: 1

ATTN: Phil Askey

Test Start: 2023.08.17 @ 19:10:00

Tool Information

Drill Pipe:	Length: 3000.00 ft	Diameter: 3.80 inches	Volume: 42.08 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 43.26 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	3245.00 ft			Final	83000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	92.00 ft				
Tool Length:	122.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3220.00	
Hydraulic tool	5.00			3225.00	
Isolator Sub	3.00			3228.00	
Jars	5.00			3233.00	
Safety Joint	3.00			3236.00	
Packer	5.00			3241.00	30.00 Bottom Of Top Packer
Packer	4.00			3245.00	
Stubb	1.00			3246.00	
Recorder	0.00	6752	Inside	3246.00	
Recorder	0.00	6751	Outside	3246.00	
Pickup sub perf	5.00			3251.00	
Perforations	17.00			3268.00	
Change Over Sub	1.00			3269.00	
Drill Pipe	64.00			3333.00	
Change Over Sub	1.00			3334.00	
Bullnose	3.00			3337.00	92.00 Bottom Packers & Anchor
Total Tool Length:	122.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Knighton Oil Company, Inc.

2-31s-3e Cowley,KS

1700 N Waterfront PKWY BLDG 100 STE A

BGM #1-2

Job Ticket: 71038

DST#: 1

ATTN: Phil Askey

Test Start: 2023.08.17 @ 19:10:00

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:

11000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 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
1800.00	100% Water	23.063

Total Length: 1800.00 ft Total Volume: 23.063 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

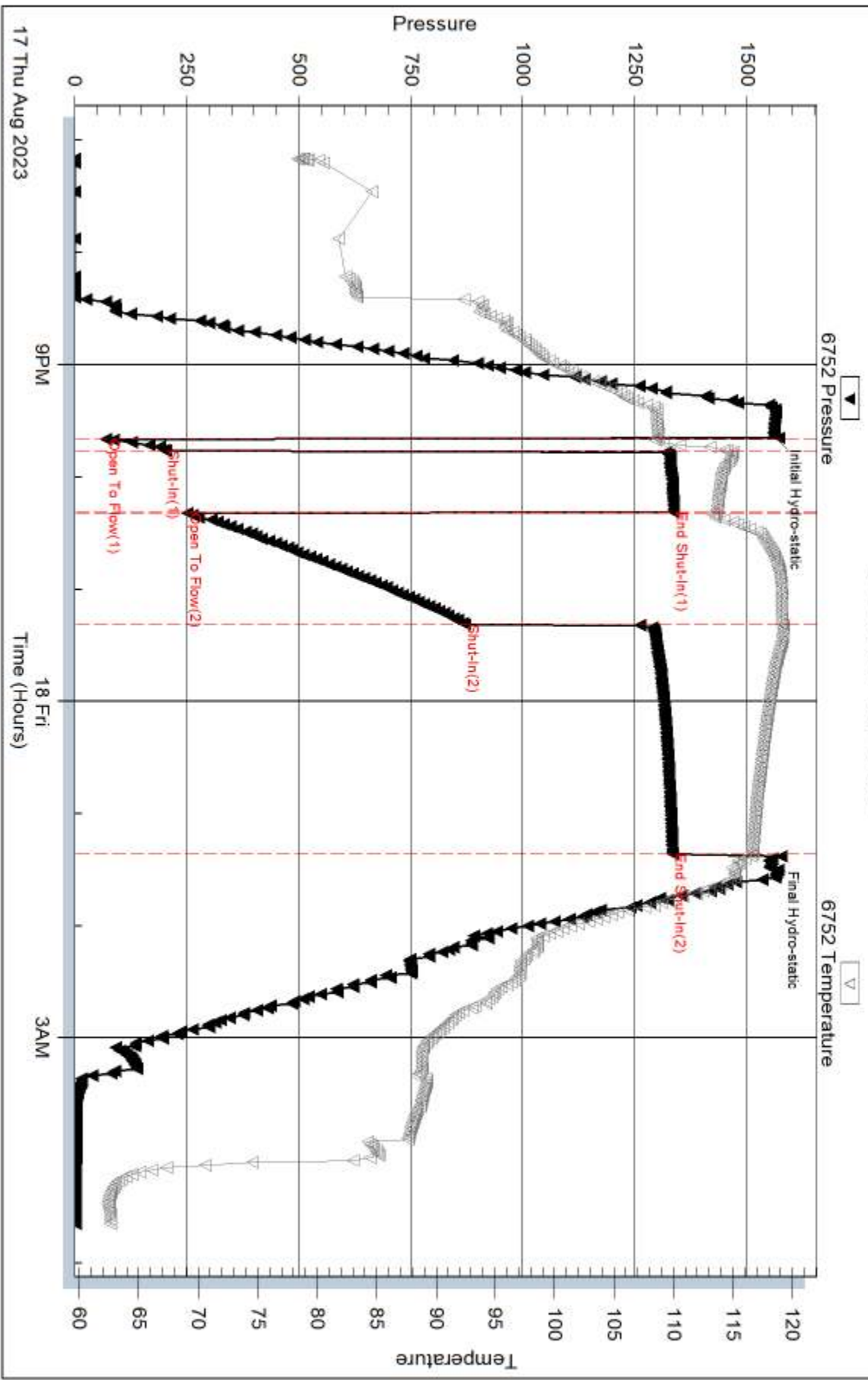
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .623@70F=11,000ppm

Pressure vs. Time

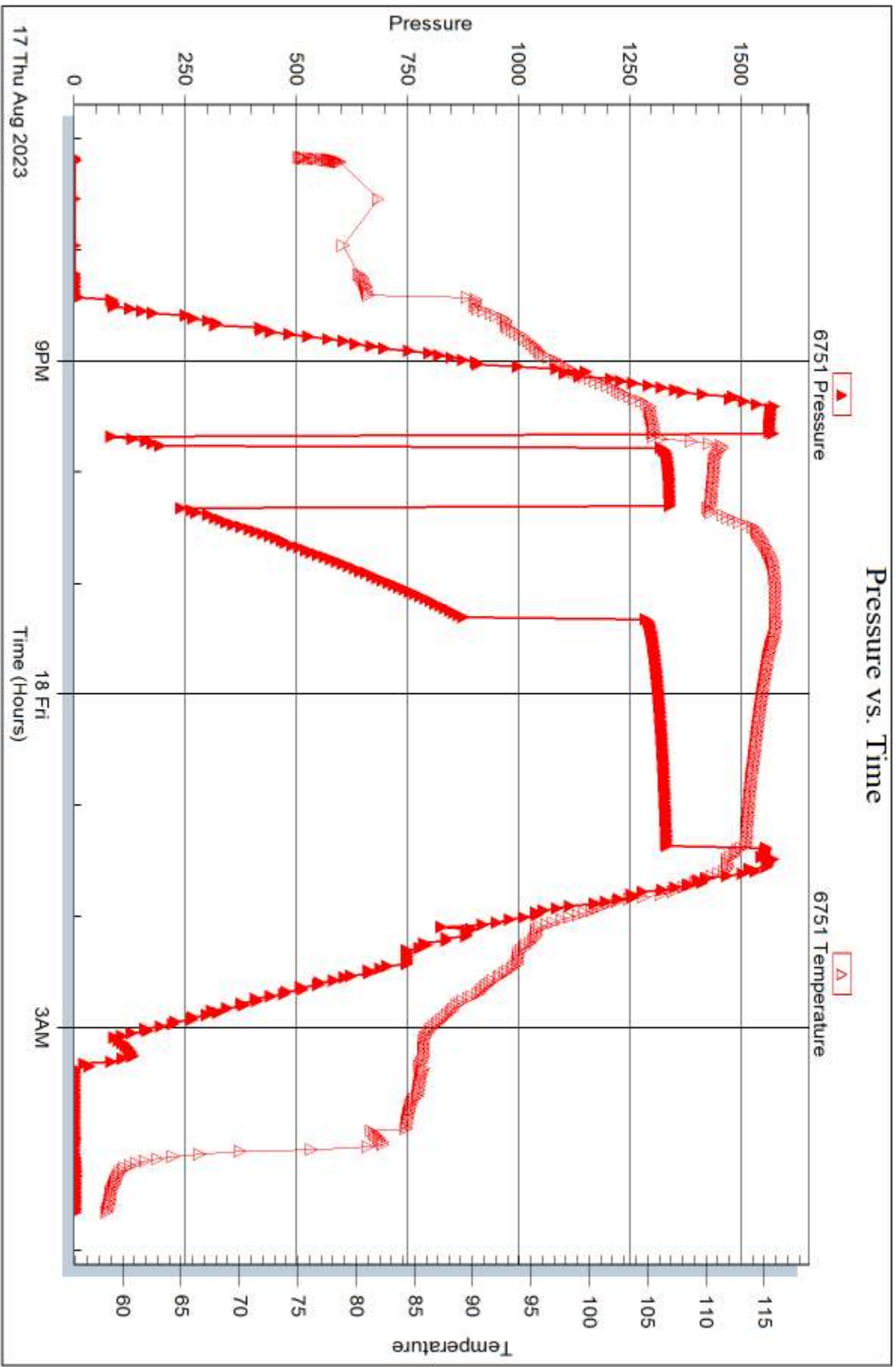


Serial #: 6751

Outside Knighton Oil Company, Inc.

BGM#1-2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 71038

Printed: 2023.08.22 @ 16:25:44



DRILL STEM TEST REPORT

Prepared For: **Knighton Oil Company, Inc.**

1700 N Waterfront PKWY BLDG 100 STE A

ATTN: Phil Askey

BGM #1-2

2-31s-3e Cowley,KS

Start Date: 2023.08.18 @ 22:26:00

End Date: 2023.08.19 @ 06:22:02

Job Ticket #: 71039 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.22 @ 16:24:20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Knighton Oil Company, Inc.
 1700 N Waterfront PKWY BLDG 100 STE A
 ATTN: Phil Askey

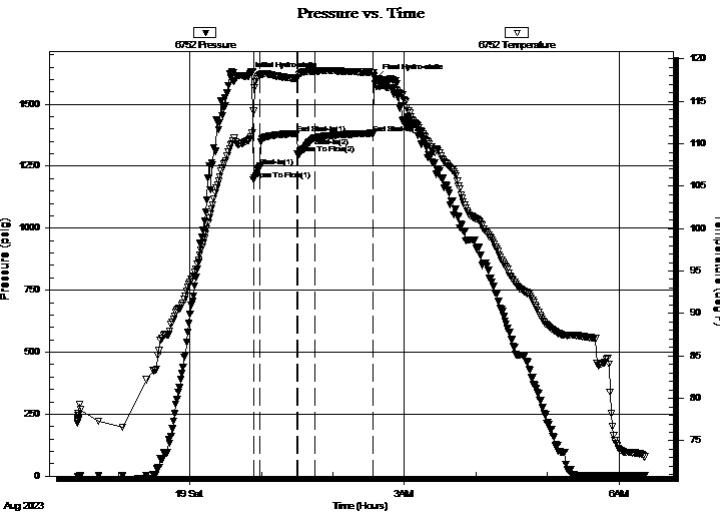
2-31s-3e Cowley,KS
BGM #1-2
 Job Ticket: 71039 **DST#: 2**
 Test Start: 2023.08.18 @ 22:26:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:53:17
 Time Test Ended: 06:22:02
Interval: 3345.00 ft (KB) To 3360.00 ft (KB) (TVD)
 Total Depth: 3486.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Straddle (Initial)
 Tester: Chris Hagman
 Unit No: 69
 Reference Elevations: 1238.00 ft (KB)
 1230.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6752 Outside
 Press@RunDepth: 1364.01 psig @ 3346.00 ft (KB) Capacity: psig
 Start Date: 2023.08.18 End Date: 2023.08.19 Last Calib.: 1899.12.30
 Start Time: 22:26:01 End Time: 06:22:02 Time On Btm: 2023.08.19 @ 00:49:17
 Time Off Btm: 2023.08.19 @ 02:36:17

TEST COMMENT: IF: 5 min., BOB 30 sec., strong building blow , 361 inches
 IS: 30 min., no blow back
 FF: 15 min., BOB 30 sec., strong building blow , 37 lbs.
 FS: 45 min., no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1611.70	110.41	Initial Hydro-static
4	1196.41	113.84	Open To Flow (1)
10	1249.88	118.12	Shut-In(1)
41	1382.24	117.73	End Shut-In(1)
41	1298.55	117.78	Open To Flow (2)
56	1364.01	118.56	Shut-In(2)
105	1382.73	118.39	End Shut-In(2)
107	1604.35	116.78	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
2700.00	100% Water	35.69

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Knighton Oil Company, Inc.

2-31s-3e Cowley,KS

1700 N Waterfront PKWY BLDG 100 STE A

BGM #1-2

Job Ticket: 71039

DST#: 2

ATTN: Phil Askey

Test Start: 2023.08.18 @ 22:26:00

Tool Information

Drill Pipe:	Length: 3097.00 ft	Diameter: 3.80 inches	Volume: 43.44 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 44.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	3345.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	3486.00 ft			
Interval between Packers:	141.00 ft			
Tool Length:	168.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3323.00	
Hydraulic tool	5.00			3328.00	
Jars	5.00			3333.00	
Safety Joint	3.00			3336.00	
Packer	5.00			3341.00	27.00 Bottom Of Top Packer
Packer	4.00			3345.00	
Stubb	1.00			3346.00	
Recorder	0.00	6752	Outside	3346.00	
Recorder	0.00	6751	Inside	3346.00	
Perforations	5.00			3351.00	
Perforations	4.00			3355.00	
Blank Off Sub	1.00			3356.00	
Packer - Shale	4.00			3360.00	
Stubb	1.00			3361.00	
Recorder	0.00	6668	Below	3361.00	
Perforations	24.00			3385.00	
Change Over Sub	1.00			3386.00	
Drill Pipe	96.00			3482.00	
Change Over Sub	1.00			3483.00	
Bullnose	3.00			3486.00	141.00 Bottom Packers & Anchor

Total Tool Length: 168.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Knighton Oil Company, Inc.

2-31s-3e Cowley,KS

1700 N Waterfront PKWY BLDG 100 STE A

BGM #1-2

Job Ticket: 71039

DST#: 2

ATTN: Phil Askey

Test Start: 2023.08.18 @ 22:26:00

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:

18000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 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
2700.00	100% Water	35.688

Total Length: 2700.00 ft Total Volume: 35.688 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

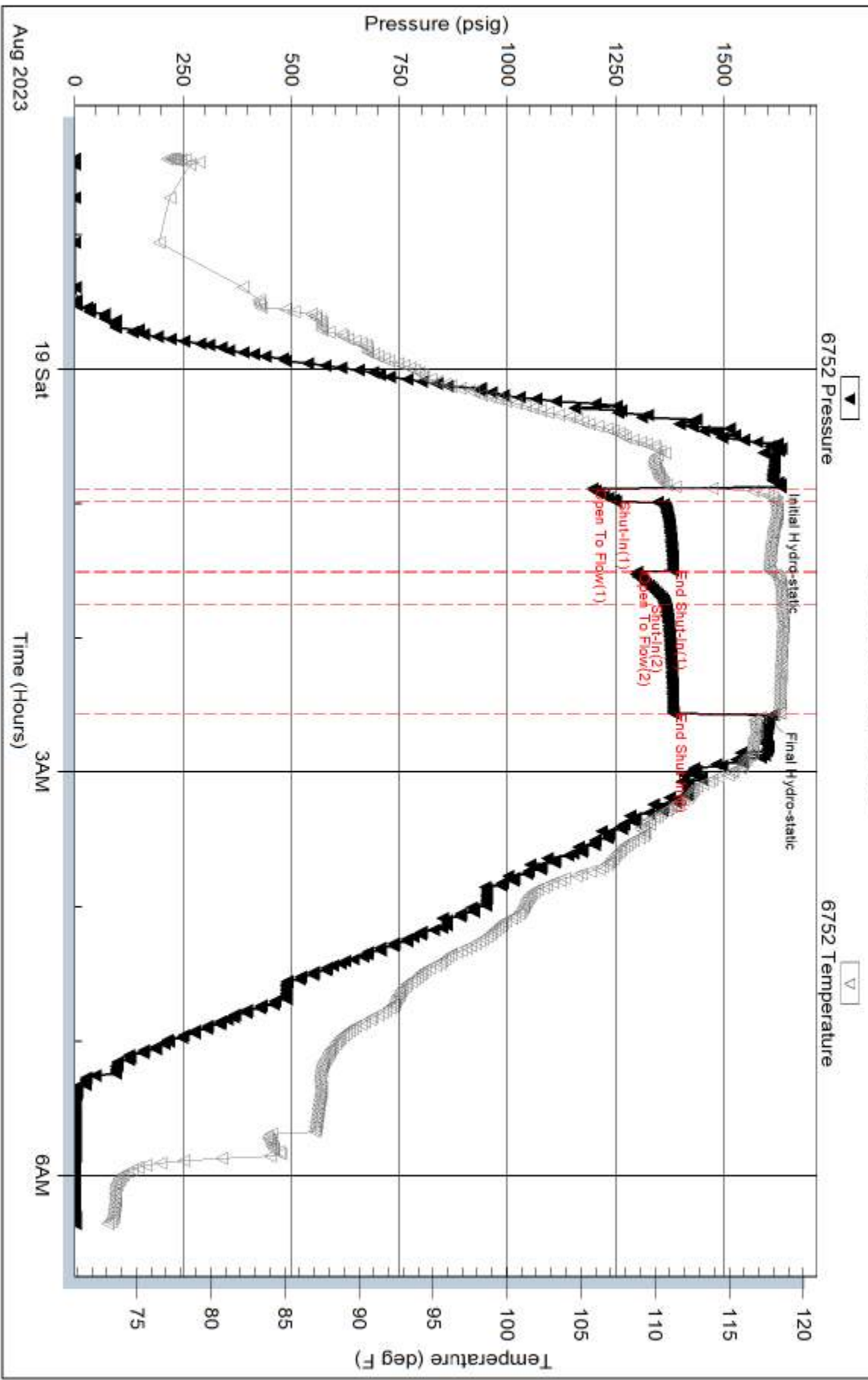
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.388@70F=18,000 ppm

Pressure vs. Time



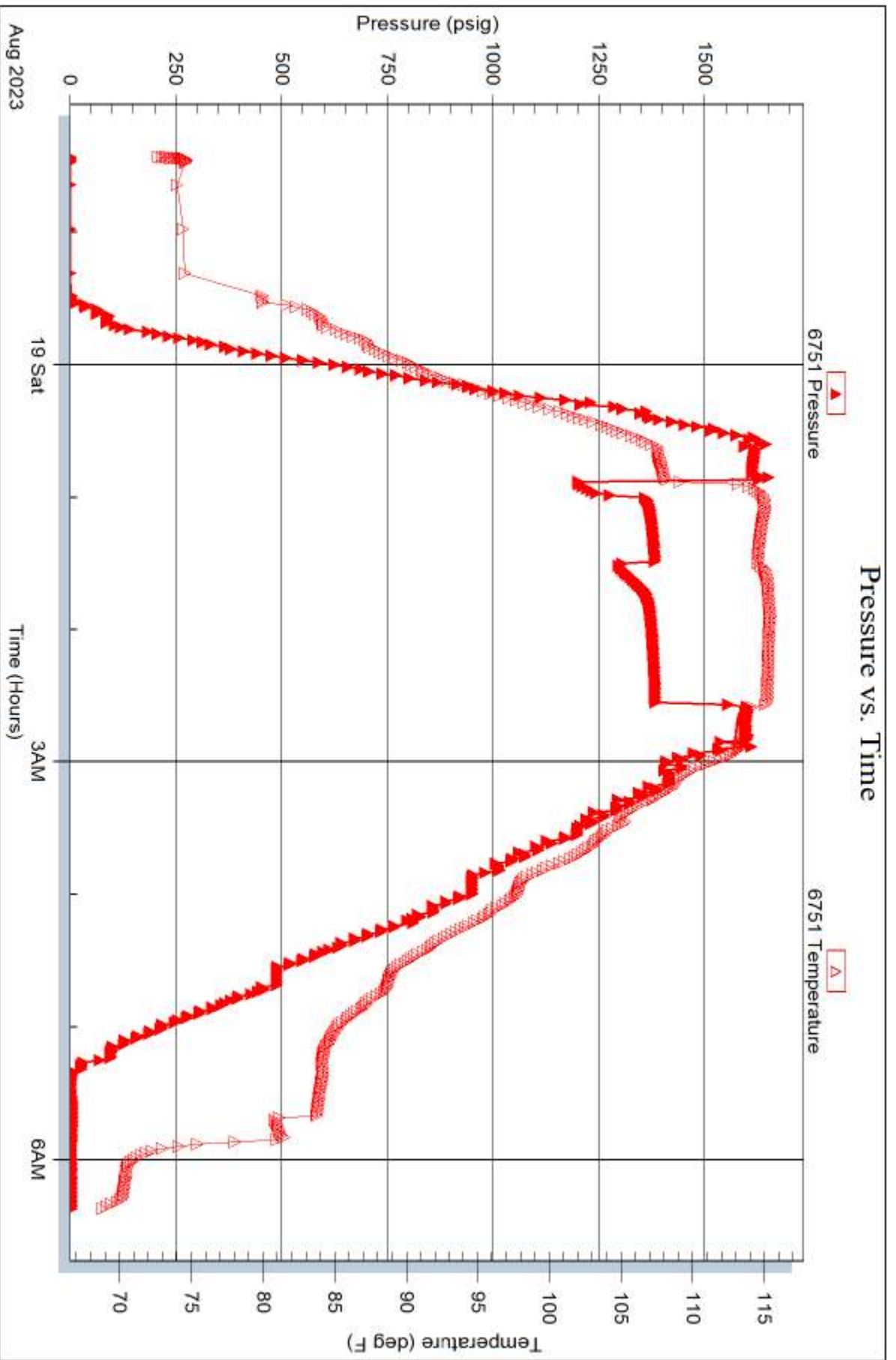
Serial #: 6751

Inside

Knighthon Oil Company, Inc.

BGM#1-2

DST Test Number: 2

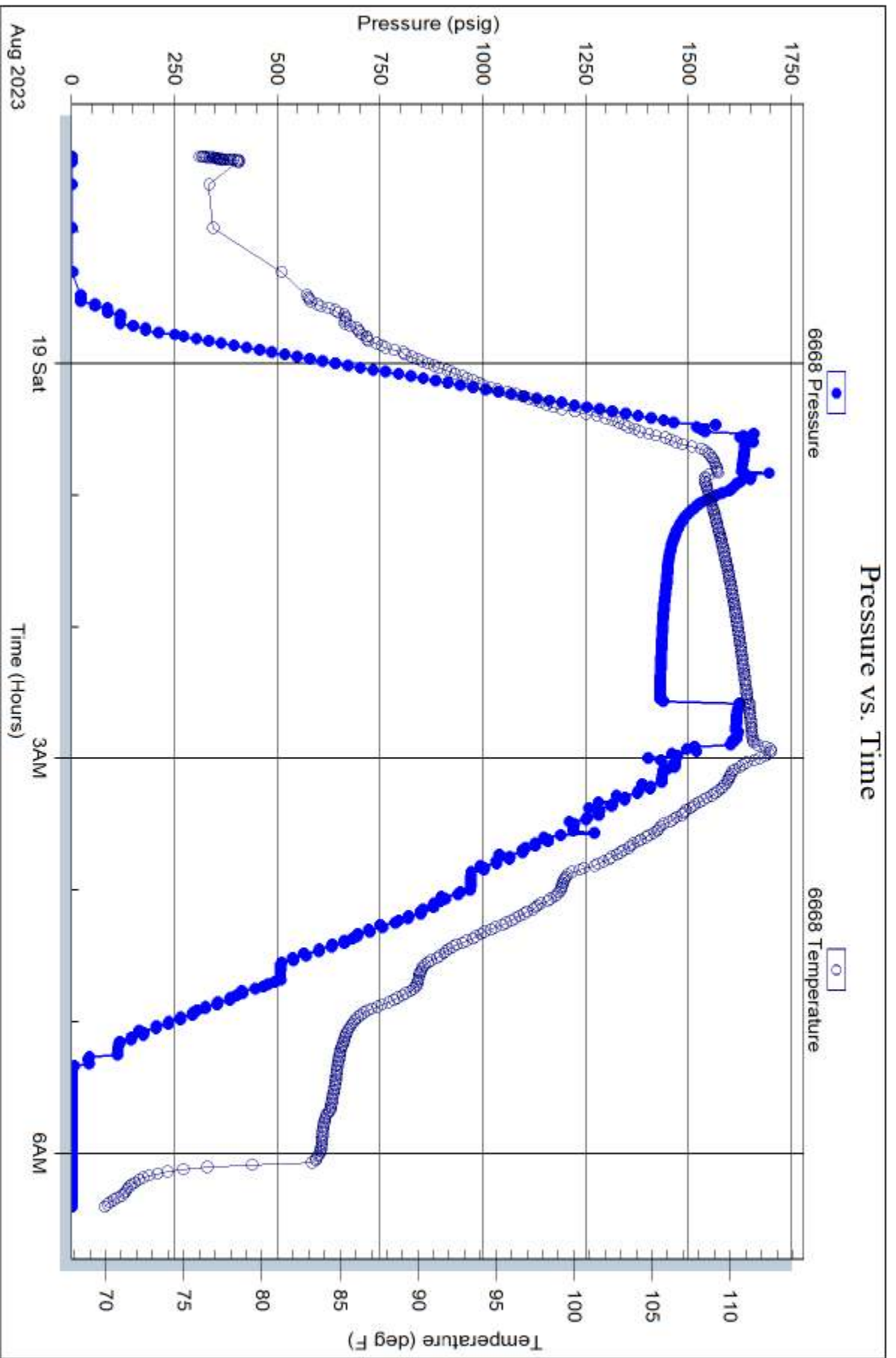


Serial #: 6668

Below (Stratton) Oil Company, Inc.

BGM#1-2

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 71039

Printed: 2023.08.22 @ 16:24:21



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71038

Well Name & No. BGM 1-2 Test No. 1 Date 8-17-23
 Company Knight Oil Company, Inc. Elevation ~~1230~~ 1236 KB 1230 GL
 Address 1700 N Waterfront PKWY BLDG 100 STE A
 Co. Rep / Geo. Phil Askey Rig C0G #3
 Location: Sec. 2 Twp 31 Rge. 3 Co. Cowley State KS

Interval Tested 3245-3337 Zone Tested Arbuckle
 Anchor Length 92' Drill Pipe Run 3000 Mud Wt. 8.9
 Top Packer Depth 3240 Drill Collars Run 240 Vis 45
 Bottom Packer Depth 3245 Wt. Pipe Run NA. WL 9.6
 Total Depth 3337 Chlorides 5,200 ppm System LCM 3 #
 Blow Description IF: 5 min., BOB 3.5 min., strong building blow, 22 inches
ISL: 30 min., no blow back
FP: 60 min., BOB 3 min., strong building blow, 362 inches
FSL: 120 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1800'</u>	<u>Water</u>			<u>100%</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1800' BHT 117 Gravity _____ API RW .623 @ 70 °F Chlorides 11,000 ppm
 Initial Hydrostatic 1560 Test conv. 1800 Ruined Shale Packer _____
 Initial Flow 70 to 203 Jars 300 Ruined Packer _____
 Initial Shut-In 1336 Circ Sub _____ Hotel _____
 Final Flow 252 to 872 Hourly Standby _____ EM Tool Successful good
 Final Shut-In 1334 Mileage K 210 110mi 192.50 Accessibility _____
 Final Hydrostatic 1556 Sampler Motel: 25mi 43.75 Gas Sample _____
 T-On Location 1600 Straddle _____ Oversized Hole _____
 Initial Flow 5 T-Started 2000 Shale Packer _____ Sub Total 0
 Initial Shut-In 30 T-Open 2145 Extra Packer _____ Total 2336.25
 Final Flow 60 T-Pulled 0120 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In 120 T-Out 0430 Day Standby _____ MP/DST Disc't _____

Comments _____

Approved By _____ Our Representative [Signature] 785-656-3941

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71039

Well Name & No. BGM 1-2 Test No. 2 Date 8-18-73
 Company Knighton Oil Company, Inc. Elevation _____ KB _____ GL _____
 Address 1700 N Waterfront PKWY BLDG 100 S/E A Wichita, KS 67206
 Co. Rep / Geo. Phil Askey Rig 626 #3
 Location: Sec. 2 Twp 31 Rge. 3 Co. Cowley State KS

Interval Tested 3345-3360 Zone Tested Arbuckle
 Anchor Length 15' Drill Pipe Run 3097 Mud Wt. 8.9
 Top Packer Depth 3340 Drill Collars Run 240 Vis 45
 Bottom Packer Depth 3345 Wt. Pipe Run N.A. WL 9.6
 Total Depth 3486 Chlorides 5200 ppm System LCM 3[#]
 Blow Description IF: 5 min., BDR 30 sec., strong building blow, 361 inches
ISL: 30 min., no blow back
FP: 15 min., BDR 30 sec., strong building blow, 37 lbs.
FSE: 45 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2700</u>	<u>water</u>			<u>100</u>	
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 2700 BHT 118 Gravity _____ API RW .388 @ 70 °F Chlorides 18000 ppm
 Initial Hydrostatic 1612 Test Straddle 1800 Ruined Shale Packer _____
 Initial Flow 1196 to 1250 Jars 300 Ruined Packer _____
 Initial Shut-In 1382 Circ Sub _____ Hotel Wichita
 Final Flow 1299 to 1364 Hourly Standby _____ EM Tool Successful good
 Final Shut-In 1383 Mileage 50 Wichita Accessibility _____
 Final Hydrostatic 1604 Sampler 43.75 + 192.50 Gas Sample _____
 T- On Location 2130 Straddle 800 Oversized Hole _____
 Initial Flow 5 T-Started 2300 Shale Packer X 1.0 250 Sub Total 0
 Initial Shut-In 30 T-Open 0100 Extra Packer _____ Total 3386.25
 Final Flow 15 T-Pulled 0235 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In 45 T-Out 0630 Day Standby _____ MP/DST Disc't _____
 Comments bats @ 1026

Approved By _____ Our Representative [Signature]

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