KOLAR Document ID: 1691553

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 # 31434
Name: McGinness Energy Company, Inc.
Address 1: 9330 E Central Ave Suite 300
Address 2:
City: WICHITA State: KS Zip: 67206 + 6628
Contact Person: Douglas H McGinness II
Phone: (316) 267-6065
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Ken LeBlanc
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 #:

02/01/2023	02/07/2023	02/07/2023
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-009-26375-00-00
Spot Description:
SE - NE - NW - NE Sec. 8 Twp. 16 S. R. 13 ☐ East ☑ West
440 Feet from ☑ North / ☐ South Line of Section
1495 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: Barton
Lease Name: BITTER Well #: 8-1
Field Name: Trapp
Producing Formation: NA
Elevation: Ground: 1932 Kelly Bushing: 1940
Total Vertical Depth: 3394 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 266 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: 3000 ppm Fluid volume: 600 bbls
Dewatering method used: Evaporated
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: 03/13/2023
☐ **Confidential Release Date:** 03/12/2025
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** David Befort **Date:** 03/23/2023

Operator Name: McGinness Energy Company, Inc. Lease Name: BITTER Well #: 8-1

Sec. 8 Twp. 16 S. R. 13 ☐ East ☑ West County: Barton

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:

DIL
CDN
Micro

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

Name	Top	Datum
Stone Corral	905	1035
Heebner	3064	-1124
Lansing	3157	-1217
Arbuckle	3384	-1444

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	8.6257	23	266	60/40 Poz	175	NA

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:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

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:

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

Form	ACO1 - Well Completion
Operator	McGinness Energy Company, Inc.
Well Name	BITTER 8-1
Doc ID	1691553

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	8.6257	23	266	60/40 Poz	175	NA

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McGinness Energy Company, Inc.**

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

Bitter #8-1

8-16s-13w Barton,KS

Start Date: 2023.02.07 @ 02:35:00
End Date: 2023.02.07 @ 09:43:02
Job Ticket #: 70586 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.02.09 @ 11:43:16

DRILL STEM TEST REPORT

McGinness Energy Company, Inc.

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

8-16s-13w Barton,KS

Bitter #8-1

Job Ticket: 70586 **DST#: 1**

Test Start: 2023.02.07 @ 02:35:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:47:02
Time Test Ended: 09:43:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 3335.00 ft (KB) To 3391.00 ft (KB) (TVD)
Total Depth: 3391.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

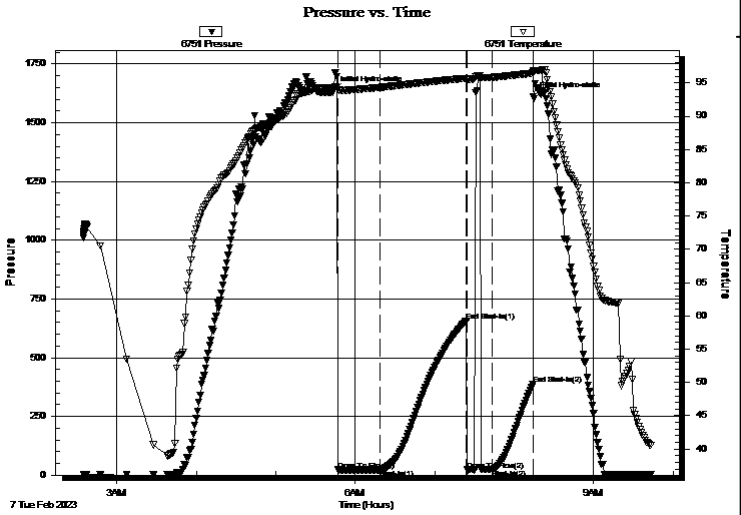
Reference Elevations: 1942.00 ft (KB)
1932.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6751 **Outside**

Press@RunDepth: 24.23 psig @ 3336.00 ft (KB)
Start Date: 2023.02.07 End Date: 2023.02.07
Start Time: 02:35:01 End Time: 09:43:02

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2023.02.07 @ 05:44:02
Time Off Btm: 2023.02.07 @ 08:14:32

TEST COMMENT: IF: 30 min., weak surface blow, died 7 min.
ISI: 60 min., no blow back
FF: 15 min., weak surface blow, died 3 min., flushed tool no change
FSI: 30 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1636.81	94.33	Initial Hydro-static
3	22.10	93.99	Open To Flow (1)
35	22.78	94.32	Shut-In(1)
100	656.65	95.67	End Shut-In(1)
101	21.98	95.53	Open To Flow (2)
120	24.23	95.82	Shut-In(2)
150	387.65	96.47	End Shut-In(2)
151	1611.87	96.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud	0.07

Gas Rates

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

DRILL STEM TEST REPORT

McGinness Energy Company, Inc.

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

8-16s-13w Barton,KS

Bitter #8-1

Job Ticket: 70586 **DST#: 1**

Test Start: 2023.02.07 @ 02:35:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:47:02
Time Test Ended: 09:43:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 3335.00 ft (KB) To 3391.00 ft (KB) (TVD)
Total Depth: 3391.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

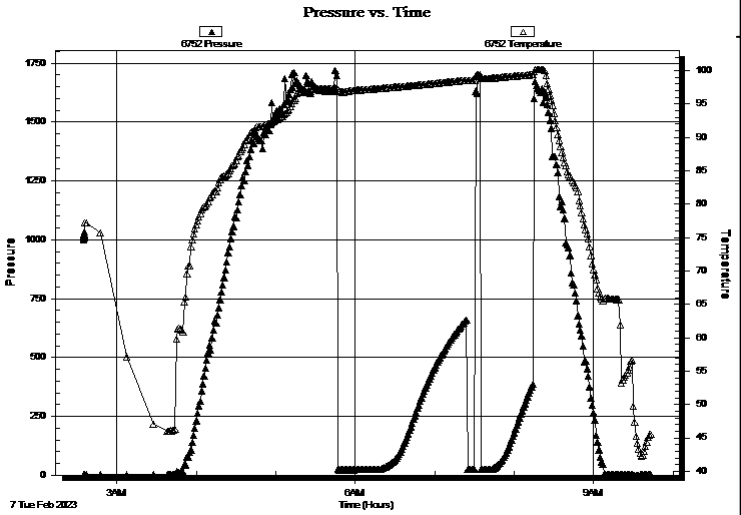
Reference Elevations: 1942.00 ft (KB)
1932.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: psig @ 3336.00 ft (KB)
Start Date: 2023.02.07 End Date: 2023.02.07
Start Time: 02:35:01 End Time: 09:43:02

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

TEST COMMENT: IF: 30 min., weak surface blow, died 7 min.
ISI: 60 min., no blow back
FF: 15 min., weak surface blow, died 3 min., flushed tool no change
FSI: 30 min., no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McGinness Energy Company, Inc.

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

8-16s-13w Barton,KS

Bitter #8-1

Job Ticket: 70586 **DST#: 1**

Test Start: 2023.02.07 @ 02:35:00

Tool Information

Drill Pipe:	Length:	3322.00 ft	Diameter:	3.80 inches	Volume:	46.60 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	46.60 bbl	

Drill Pipe Above KB:	17.00 ft
Depth to Top Packer:	3335.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	56.00 ft
Tool Length:	86.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		45000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	44000.00 lb
	Final	44000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3310.00		
Hydraulic tool	5.00			3315.00		
Isolator Sub	3.00			3318.00		
Jars	5.00			3323.00		
Safety Joint	3.00			3326.00		
Packer	5.00			3331.00	30.00	Bottom Of Top Packer
Packer	4.00			3335.00		
Stubb	1.00			3336.00		
Recorder	0.00	6752	Inside	3336.00		
Recorder	0.00	6751	Outside	3336.00		
Pickup sub perf	5.00			3341.00		
Perforations	13.00			3354.00		
Change Over Sub	1.00			3355.00		
Drill Pipe	32.00			3387.00		
Change Over Sub	1.00			3388.00		
Bullnose	3.00			3391.00	56.00	Bottom Packers & Anchor
Total Tool Length:	**86.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McGinness Energy Company, Inc.

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

8-16s-13w Barton,KS

Bitter #8-1

Job Ticket: 70586 **DST#: 1**

Test Start: 2023.02.07 @ 02:35:00

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:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	inches				

Recovery Information

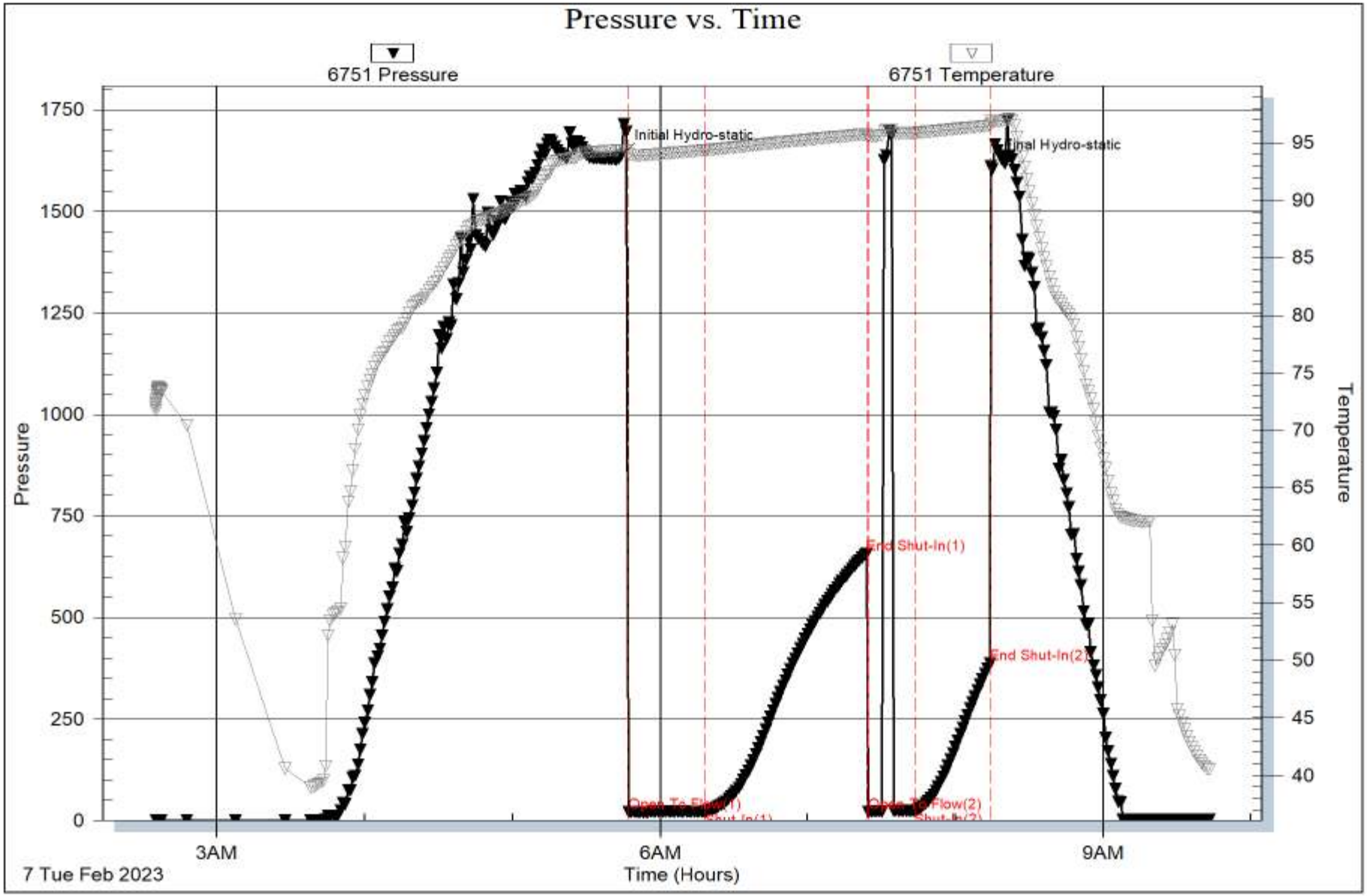
Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

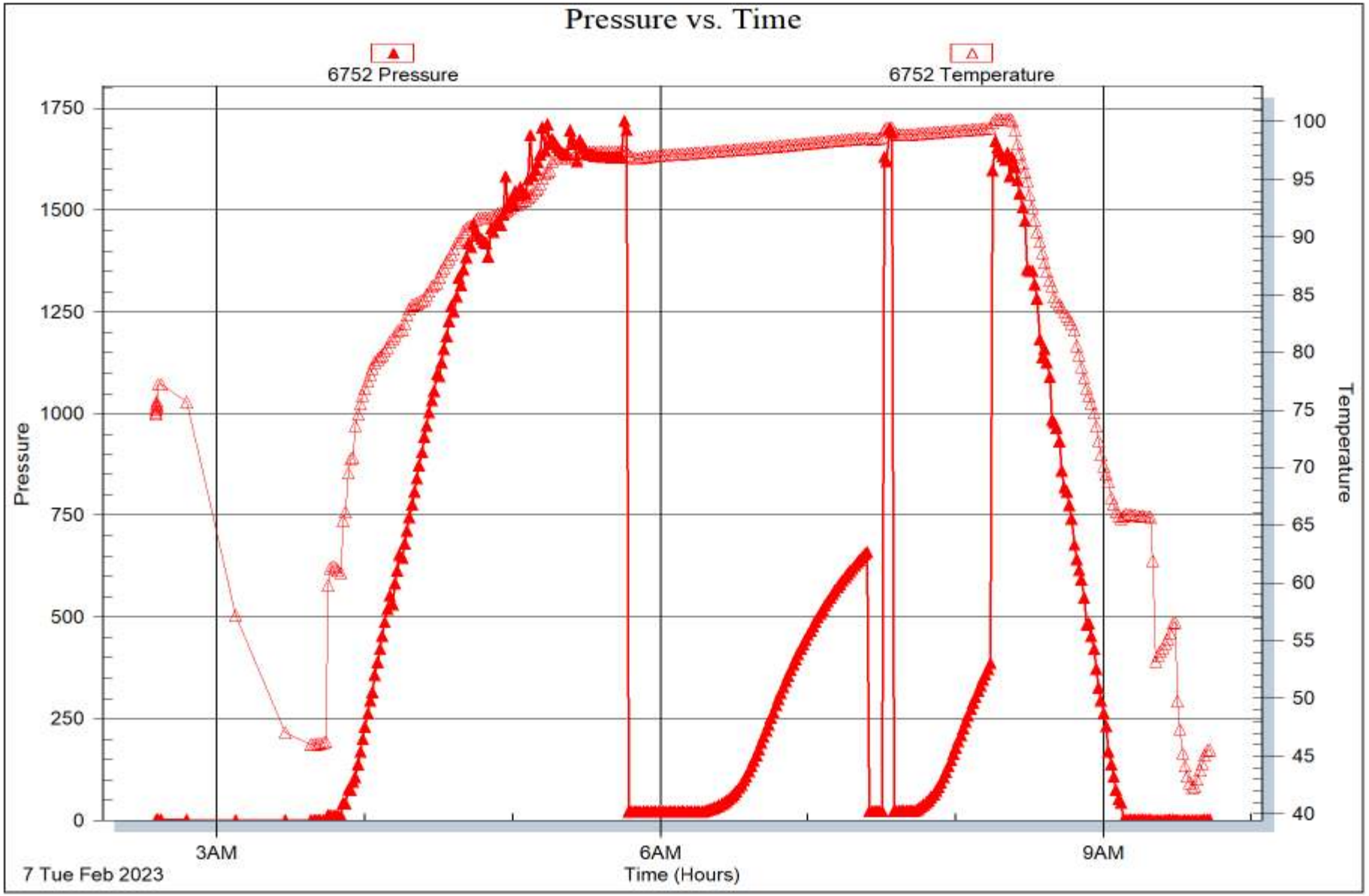
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6751 **Outside** McGinness Energy Company, Inc. Bitter #8-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 70586 Printed: 2023.02.09 @ 11:43:17

Serial #: 6752 **Inside** McGinness Energy Company, Inc. Bitter #8-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 70586 Printed: 2023.02.09 @ 11:43:17

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McGinness Energy Company, Inc.**

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

Bitter #8-1

8-16s-13w Barton,KS

Start Date: 2023.02.08 @ 15:38:00
End Date: 2023.02.08 @ 22:46:02
Job Ticket #: 70587 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.02.09 @ 11:42:46

DRILL STEM TEST REPORT

McGinness Energy Company, Inc.

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

8-16s-13w Barton,KS

Bitter #8-1

Job Ticket: 70587 **DST#: 2**

Test Start: 2023.02.08 @ 15:38:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:21:02
Time Test Ended: 22:46:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

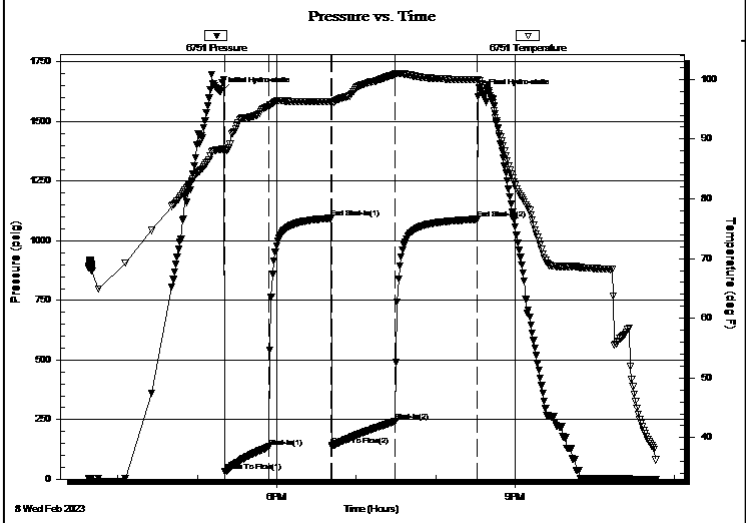
Interval: 3334.00 ft (KB) To 3394.00 ft (KB) (TVD)
Total Depth: 3394.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1942.00 ft (KB)
1932.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6751 **Outside**
Press@RunDepth: 243.51 psig @ 3337.00 ft (KB)
Start Date: 2023.02.08 End Date: 2023.02.08
Start Time: 15:38:01 End Time: 22:46:02

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2023.02.08 @ 17:18:02
Time Off Btm: 2023.02.08 @ 20:34:32

TEST COMMENT: IF: 30 min.,BOB 10 min., strong building blow , 28 inches
ISI: 45 min., no blow back
FF: 45 min., BOB 15 min., strong building blow , 30 inches
FSI: 60 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.99	88.25	Initial Hydro-static
3	31.06	88.13	Open To Flow (1)
36	135.87	95.49	Shut-In(1)
83	1094.28	96.23	End Shut-In(1)
84	140.85	95.94	Open To Flow (2)
132	243.51	100.87	Shut-In(2)
193	1090.50	99.93	End Shut-In(2)
197	1616.62	99.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	muddy w ater 90%W, 10%M	3.53
234.00	oil spotted w atery mud 30%W, 70%M	3.28

Gas Rates

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

DRILL STEM TEST REPORT

McGinness Energy Company, Inc.

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

8-16s-13w Barton,KS

Bitter #8-1

Job Ticket: 70587 **DST#: 2**

Test Start: 2023.02.08 @ 15:38:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:21:02
Time Test Ended: 22:46:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 3334.00 ft (KB) To 3394.00 ft (KB) (TVD)
Total Depth: 3394.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

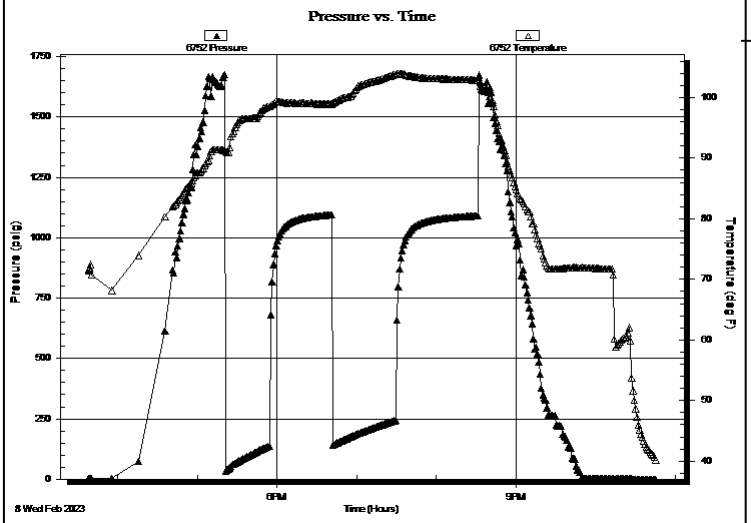
Reference Elevations: 1942.00 ft (KB)
1932.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: psig @ 3337.00 ft (KB)
Start Date: 2023.02.08 End Date: 2023.02.08
Start Time: 15:38:01 End Time: 22:46:02

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

TEST COMMENT: IF: 30 min.,BOB 10 min., strong building blow , 28 inches
ISI: 45 min., no blow back
FF: 45 min., BOB 15 min., strong building blow , 30 inches
FSI: 60 min., no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
252.00	muddy w ater 90%W, 10%M	3.53
234.00	oil spotted w atery mud 30%W, 70%M	3.28

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McGinness Energy Company, Inc.

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

8-16s-13w Barton,KS

Bitter #8-1

Job Ticket: 70587 **DST#: 2**

Test Start: 2023.02.08 @ 15:38:00

Tool Information

Drill Pipe:	Length:	3322.00 ft	Diameter:	3.80 inches	Volume:	46.60 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	46.60 bbl	

Drill Pipe Above KB:	18.00 ft
Depth to Top Packer:	3334.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	60.00 ft
Tool Length:	90.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		50000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	44000.00 lb
	Final	45000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3309.00		
Hydraulic tool	5.00			3314.00		
Isolator Sub	3.00			3317.00		
Jars	5.00			3322.00		
Safety Joint	3.00			3325.00		
Packer	5.00			3330.00	30.00	Bottom Of Top Packer
Packer	4.00			3334.00		
Stubb	1.00			3335.00		
Perforations	2.00			3337.00		
Recorder	0.00	6752	Inside	3337.00		
Recorder	0.00	6751	Outside	3337.00		
Pickup sub perf	5.00			3342.00		
Perforations	15.00			3357.00		
Change Over Sub	1.00			3358.00		
Drill Pipe	32.00			3390.00		
Change Over Sub	1.00			3391.00		
Bullnose	3.00			3394.00	60.00	Bottom Packers & Anchor
Total Tool Length:	**90.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McGinness Energy Company, Inc.

9330 E Central Ave Suite 300
Wichita, KS 67206

ATTN: Ken LeBlanc

8-16s-13w Barton,KS

Bitter #8-1

Job Ticket: 70587 **DST#: 2**

Test Start: 2023.02.08 @ 15:38:00

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:	20000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
252.00	muddy w ater 90%W, 10%M	3.535
234.00	oil spotted w atery mud 30%W, 70%M	3.282

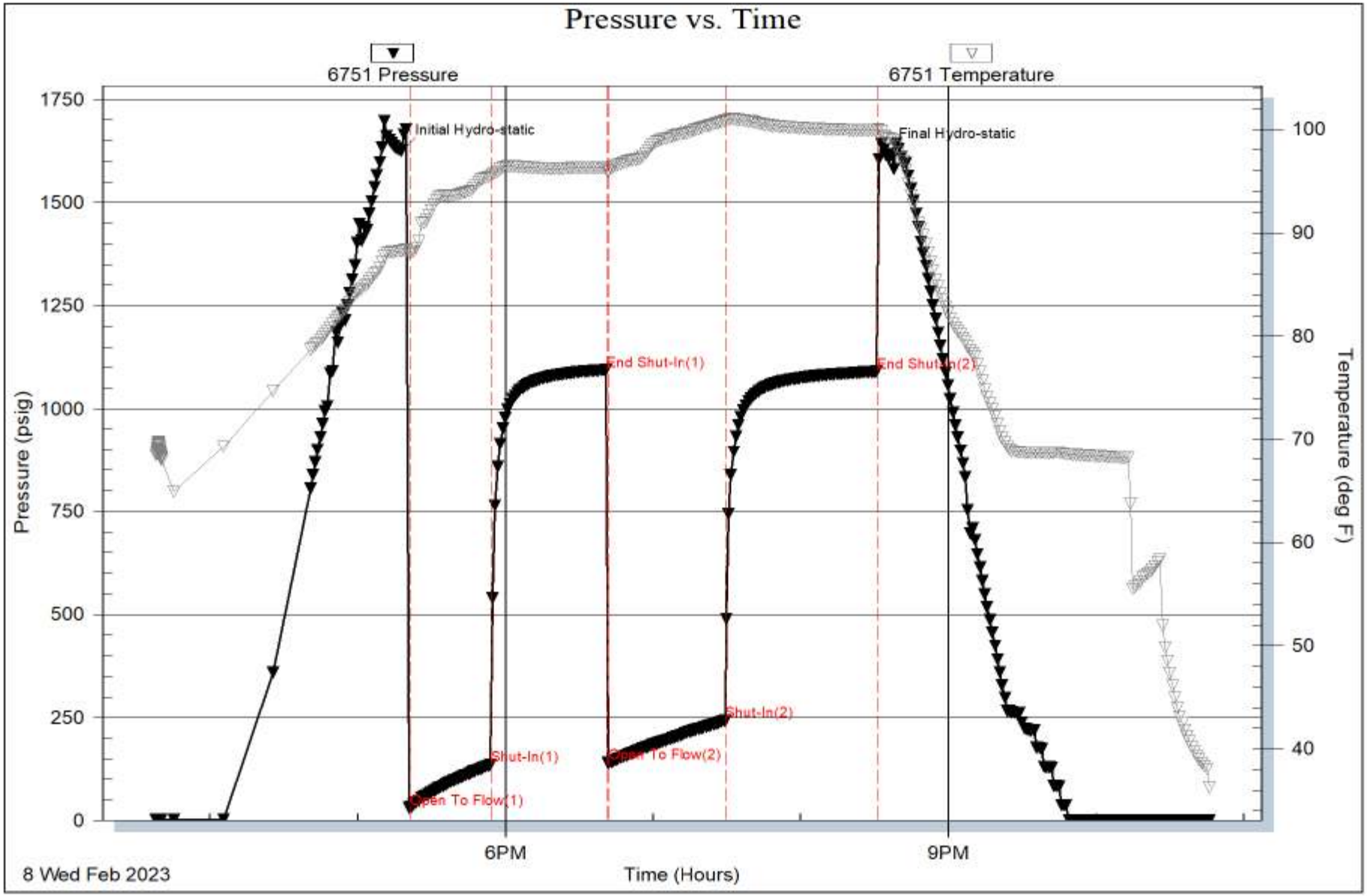
Total Length: 486.00 ft Total Volume: 6.817 bbl

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

Laboratory Name: Laboratory Location:

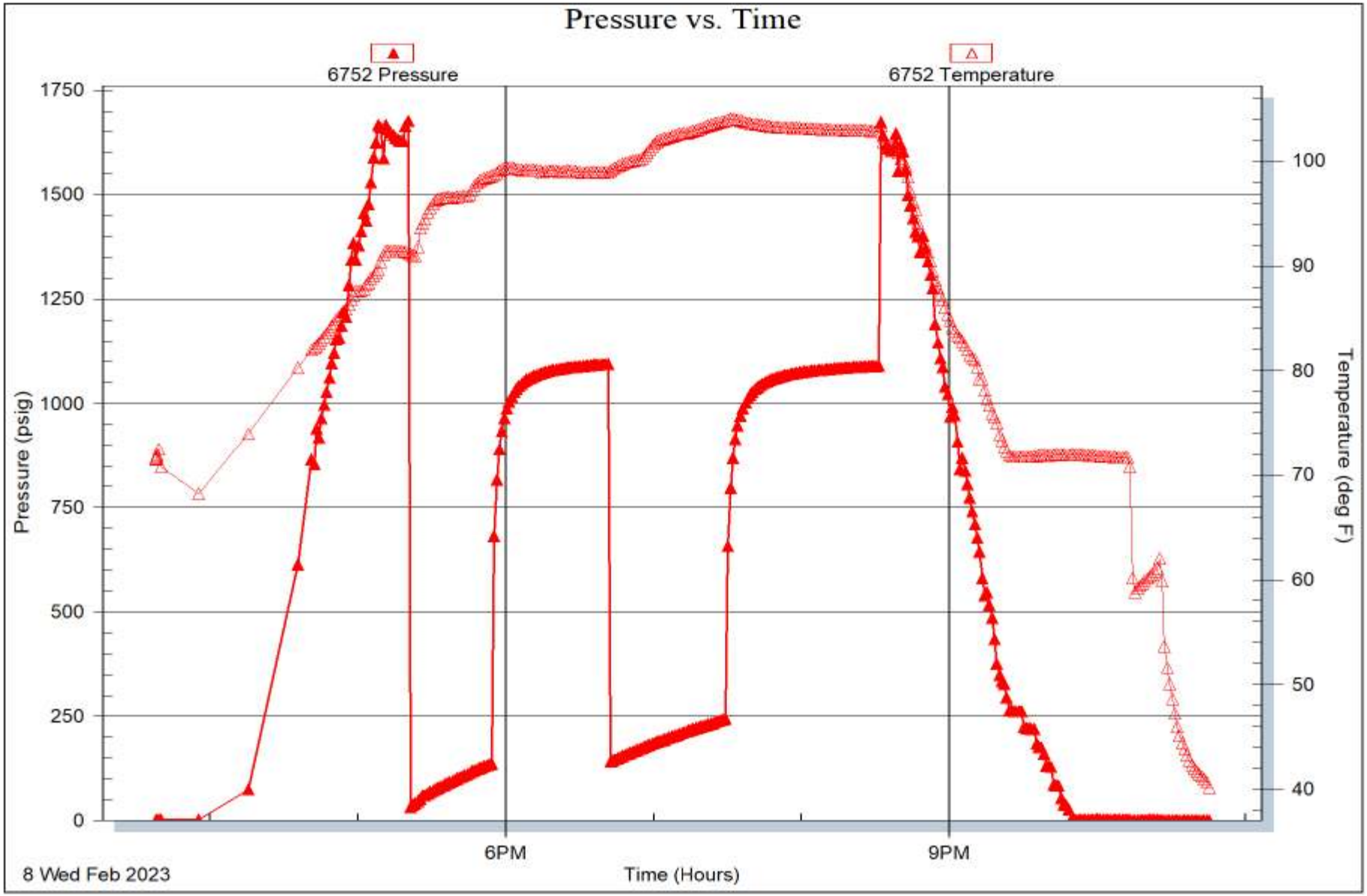
Recovery Comments: RW=.545@49F=20,000ppm

Serial #: 6751 **Outside** McGinness Energy Company, Inc. Bitter #8-1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 70587 Printed: 2023.02.09 @ 11:42:47

Serial #: 6752 **Inside** McGinness Energy Company, Inc. Bitter #8-1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 70587 Printed: 2023.02.09 @ 11:42:47

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70586

Well Name & No. Bitter 8-1 Test No. 1 Date 2-7-23

Company McGinness Energy Company, Inc. Elevation 1942 KB 1932 GL

Address 9330 E Central Ave Suite 300 Wichita, KS 67206

Co. Rep / Geo Ken LeBlanc Rig Duke #2

Location: Sec. 8 Twp 16 Rge. 13 Co. Barton State KS

Interval Tested 3335-3391 Zone Tested Arbuckle

Anchor Length 56 Drill Pipe Run 3322 Mud Wt. 9.1

Top Packer Depth 3330 Drill Collars Run 0 Vis 58

Bottom Packer Depth 3335 Wt. Pipe Run N.A. WL 5.8

Total Depth 3391 Chlorides 4,400 ppm System LCM 2#

Blow Description IF: 30 min., weak surface blow, died 27 min.

ISI: 60 min., no blow back

FF: 15 min., weak surface blow, died 3 min., flushed tool no change

FSI: 30 min., no blow back

Rec 5	Feet of Mud	%gas	%oil	%water 100	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 5 BHT 96 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

Initial Hydrostatic 1637	☒ Test Conv. 1800	☐ Ruined Shale Packer	
Initial Flow 22 to 23	☒ Jars 300	☐ Ruined Packer	
Initial Shut-In 657	☐ Circ Sub	☐ Hotel	
Final Flow 22 to 24	☐ Hourly Standby	☒ EM Tool Successful good	
Final Shut-In 388	☒ Mileage 45 78.75	☐ Accessibility	
Final Hydrostatic 1612	☐ Sampler	☐ Gas Sample	
T- On Location 0100	☐ Straddle	☐ Oversized Hole	
Initial Flow 30 T-Started 0330	☐ Shale Packer	☐ Sub Total 0	
Initial Shut-In 60 T-Open 0555	☐ Extra Packer	☐ Total 2178.75	
Final Flow 15 T-Pulled 0810	☐ Extra Recorder	☐ Tool Loaded ____ @ ____	
Final Shut-In 30 T-Out 0930	☐ Day Standby	☐ MP/DST Disc't	

Comments bobs on @ 0235

785-656-3947

Approved By ____ Our Representative Chris Hogan

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70587

Well Name & No. ~~Bitter~~ Bitter 8-1 Test No. 2 Date 2-7-23

Company McGinness Energy Company, Inc. Elevation 1942 KB 1932 GL

Address 9330 E Central Ave STE 300 Wichita, KS 67206

Co. Rep / Geo Ken LeBlanc Rig Duke #2

Location: Sec. 8 Twp 16 Rge. 13 Co. Barton State KS

Interval Tested 3334-3394 Zone Tested Arbuckle

Anchor Length 60' Drill Pipe Run 3322 Mud Wt. 9.3

Top Packer Depth 3329 Drill Collars Run Ø Vis 54

Bottom Packer Depth 3334 Wt. Pipe Run N.A. WL 6.0

Total Depth 3394 Chlorides 4,800 ppm System LCM 2#

Blow Description IF: 30 min., BOB 10 min., strong building blow, 28 inches

ISI: 45 min., no blow back

FF: 45 min., BOB 15 min., strong building blow, 30 inches

FSI: 60 min., no blow back

Rec 252	Feet of Muddy water	%gas	%oil	90 %water	10 %mud	
Rec 234	Feet of Watery mud oil spotted	%gas	%oil	30 %water	70 %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 486 BHT 100 Gravity ____ API RW .545 @ 49 °F Chlorides 20,000 ppm

Initial Hydrostatic 1626 ☒ Test conv. 1800 ☐ Ruined Shale Packer ____

Initial Flow 31 to 136 ☒ Jars 300 ☐ Ruined Packer ____

Initial Shut-In 1094 ☐ Circ Sub ____ ☐ Hotel ____

Final Flow 141 to 244 ☐ Hourly Standby ____ ☒ EM Tool Successful good

Final Shut-In 1091 ☒ Mileage x 45 78.75 ☐ Accessibility ____

Final Hydrostatic 1617 ☐ Sampler ____ ☐ Gas Sample ____

T- On Location 1400 ☐ Straddle ____ ☐ Oversized Hole ____

Initial Flow 30 T-Started 1600 ☐ Shale Packer ____ ☐ Sub Total 0

Initial Shut-In 45 T-Open 1730 ☐ Extra Packer ____ ☐ Total 2178.78

Final Flow 45 T-Pulled 2030 ☐ Extra Recorder ____ ☐ Tool Loaded 2300 @ 2-7-23

Final Shut-In 60 T-Out 2230 ☐ Day Standby ____ ☐ MP/DST Disc't ____

Comments bits on @ 1538

Approved By ____ Our Representative ____

HURRICANE SERVICES INC

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

Customer:

MCGINNESS ENERGY COMPANY INC
9330 E CENTRAL AVE
SUITE 300
WICHITA, KS 67206

Invoice Date:	2/2/2023
Invoice #:	0366335
Lease Name:	Bitter
Well #:	8-1 (New)
County:	Barton, Ks
Job Number:	WP3889
District:	Pratt

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Cement Pozmix 60/40	175.000	15.000	2,625.00
Calcium Chloride	453.000	0.750	339.75
Cello Flake	44.000	1.750	77.00
Light Eq Mileage	70.000	2.000	140.00
Heavy Eq Mileage	140.000	4.000	560.00
Ton Mileage	529.000	1.500	793.50
Cement Blending & Mixing	175.000	1.400	245.00
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Cement Data Acquisition	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00

Total 6,305.25

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	MCGINNESS ENERGHY COMPANY	Lease & Well #	BITTER 8-1			Date	2/2/2023
Service District	PRATT	County & State	BARTON KS	Legals S/T/R	8-16S-13W	Job #	
Job Type	SURFACE ☑ PROD ☐ INJ ☐ SWD	New Well?	☑ YES ☐ No			Ticket #	WP 3889

Equipment #	Driver
912	MATTAL
181/521	CLIFTON
525/533	MARTINEZ

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☐ Slip/Trip/Fall Hazards	☐ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☐ Overhead Hazards	☐ Muster Point/Medical Locations
☐ Hearing Protection	☐ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
CP070	60/40/2 Pozmix A	sack	175.00			$2,625.00
CP100	Calcium Chloride	lb	453.00			$339.75
CP120	Cello-flake	lb	44.00			$77.00
M015	Light Equipment Mileage	mi	70.00			$140.00
M010	Heavy Equipment Mileage	mi	140.00			$560.00
M020	Ton Mileage	tm	529.00			$793.50
C060	Cement Blending & Mixing Service	sack	175.00			$245.00
D010	Depth Charge: 0'-500'	job	1.00			$1,000.00
C035	Cement Data Acquisition	job	1.00			$250.00
R061	Service Supervisor	day	1.00			$275.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

				Net:	$6,305.25
Total Taxable	$ -	Tax Rate:			
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.			Sale Tax:	$ -	
			Total:	$ 6,305.25	

HSI Representative: *Mike Mattal*

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 ½% 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 fom 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 informaiton in determining taxable services.

X Dion Vasquez

CUSTOMER AUTHORIZATION SIGNATURE

CEMENT TREATMENT REPORT

Customer:	MCGINNESS ENERGHY COMPANY I	**Well:**	BITTER 8-1	**Ticket:**	WP 3889
City, State:	SUSANK KS	**County:**	BARTON KS	**Date:**	2/2/2023
Field Rep:		**S-T-R:**	8-16S-13W	**Service:**	SURFACE

Downhole Information	
Hole Size:	in
Hole Depth:	ft
Casing Size:	8 5/8 in
Casing Depth:	266.31 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	15.6 bbls

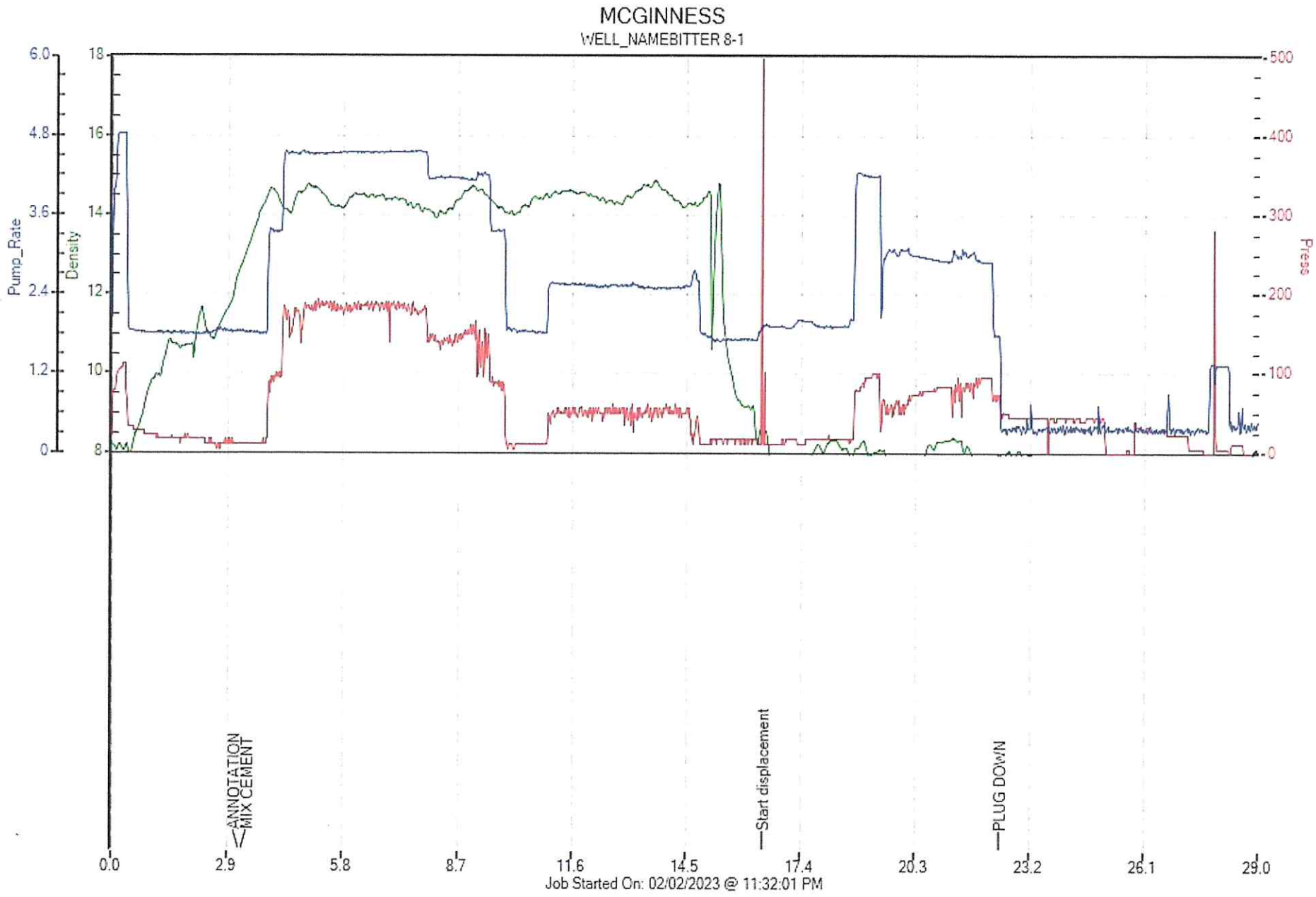
Calculated Slurry - Lead	
Blend:	60/40/2 POZMIX A
Weight:	14.8 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.21 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	37.7 bbls
Total Sacks:	175 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	#DIV/0! sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
6:00 PM			-	-	ON LOCATION
10:30 PM				-	RUN 8 5/8 CASING
11:20 PM				-	CASING ON BOTTOM
11:25 PM				-	HOOK TO CASING, BREAK CIRC WITH RIG
11:37 PM	4.8	110.0	3.0	3.0	PUMP 3 BBL WATER
11:39 PM	2.0	30.0	37.7	40.7	MIX 175 SKS 60/40/2 POZMIX A
11:57 PM	2.0	30.0		40.7	START DISPLACEMENT
12:02 AM		75.0	15.6	56.3	PLUG DOWN, SHUT IN WELL
					CEMENT TO SURFACE
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL
				-	AUSTIN & DARYL
				-	

	CREW	UNIT
Cementer:	MATTAL	912
Pump Operator:	CLIFTON	181/521
Bulk #1:	MARTINEZ	525/533
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
2.9 bpm	61 psi	56 bbls


MCGINNESS
WELL_NAMEBITTER 8-1
Pump_Rate
Density
Press
6.0
4.8
3.6
2.4
1.2
0
18
16
14
12
10
8
500
400
300
200
100
0
ANNOTATION
MIX CEMENT
Start displacement
PLUG DOWN
0.0
2.9
5.8
8.7
11.6
14.5
17.4
20.3
23.2
26.1
29.0
Job Started On: 02/02/2023 @ 11:32:01 PM

GEOLOGICAL REPORT

Ken LeBlanc
Petroleum Geologist
2349 North Stoneybrook Court
Wichita, Kansas 67226-3604
(316)-630-0195

API: 15-009-26375

COMPANY: McGinness ENERGY CO. INC (31434)
LEASE: BITTER 8-1
FIELD: TRAPP
LOCATION: 440 FNL & 1495 FEL
SECTION: 8 TOWNSHIP: 16S RANGE: 13W
COUNTY: BARTON STATE: KANSAS

ELEVATIONS
KB 1940 FEET
DF 1938 FEET
GL 1932 FEET
MEASUREMENTS ARE ALL FROM: KB

CASING
8 5/8 @ 255'

PLUG & ABANDON

CONTRACTOR: DUKE DRLG RIG 2 (5959)
COMMENCED DRILLING: WED. 2-1-2023
COMPLETED DRILLING: TUES. 2-7-2023
RTD 3394 FEET LTD 3390 FEET
MUD UP AT 2469 FEET MUD TYPE: Chemical

ELOG SUITES
CNCD-PE
Dual Induction
MICROLOG

SAMPLES SAVED FROM 2600 FEET TO 3394 FEET
DRILLING TIME KEPT FROM 2600 FEET TO 3394 FEET
SAMPLES EXAMINED FROM 3000 FEET TO 3394 FEET
GEOLOGICAL SUPERVISION FROM 2900 FEET TO 3394 FEET

NOTES: MUD SYSTEM - MUDCO, SURF CSG CMT - HURRICANE SUCS, GAS DETECTOR - MBC LOGGING & LEASING, WATER - HAULED FUEL - BESTHORN O & G, DSTS - TRILOBITE TSTG, LOGGING ELI WL SUC., PROD CSG - NONE

CORES - NONE

Remarks:

THE MEC BITTER 8-1 WAS DRILLED AS A Development well on the BITTER Lease in The TRAPP Pool. TWO(2) DSTS were taken in the ARBUCKLE FORMATION WITH non-commercial RESULTS. STRUCTURAL POSITION on the ARBUCKLE FORMATION WAS FAVORABLE to existing control. IN THE END the MEC BITTER 8-1 WAS plugged AND abandoned.

Ken LeBlanc

Daily Penetration

7Am

Date	Depth
1-31-23	MIRT
2-1-23	RIG UP, SPUD
	1pm 2-1-23, Set
	8 5/8 @ 255.
2-2-23	266 - WOC
2-3-23	DRLG 1272'
2-4-23	DRLG 2158'
2-5-23	DRLG 2760'
2-6-23	DRLG 3225'
2-7-23	3391 - DST 1
	RTD 3394, TAKE
	DST 2, WAIT ON
	BANK for loggers
	LTD 3390 - 1450
	ELI WL SUC
	logging Behind
	DST 2, Finished
	@ 4Am Wed
	2-8-23
2-8-23	3394 - PREPARE
	to P&A

Bit Record

Number	Size	Make	Type	Depth Out	Feet	Hours
1	12 1/4	MT	MX-1	266	266	4 1/2
2	7 7/8	JZ	527C	3394	3125	93 1/4
		TOTAL BIT HOURS			3394	97 3/4

AVG PENETRATION RATE: 0-RTD
34.72 FPH

GENERAL INFORMATION

RAN 5 JTS NEW 23# R3 J55 SURF CSG to 266', set @ 255.31', CMTD WITH 175 SXS 60/40 POZ, CMT DID CIRC. BY HURRICANE SUC

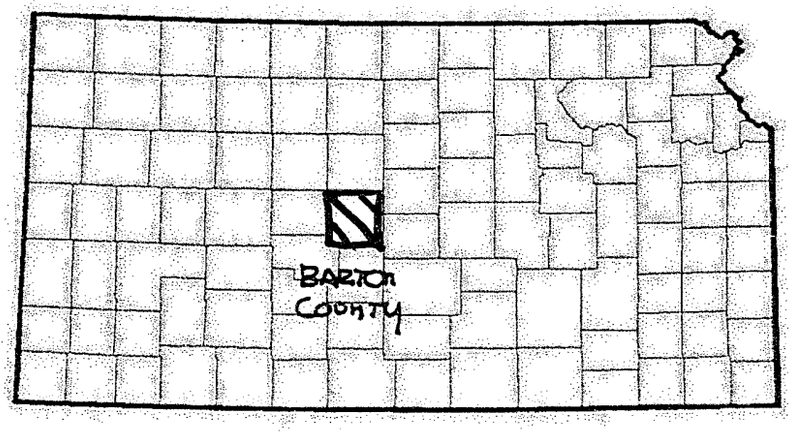
RIG MAKE: IDECO H35, DOUBLE, EARTHEN pits
POWER: CAT
PUMP: IDECO MM550, STROKE: 6", Liners: 15"
POWER: CAT
DP: 4 1/2" XH, 16.6#/FT, OD: 6 1/8", ID: 2 1/4"
DC: 16 - Length 472.26', OD: 6 1/8, ID: 2 1/4
RIG POWER: CAT

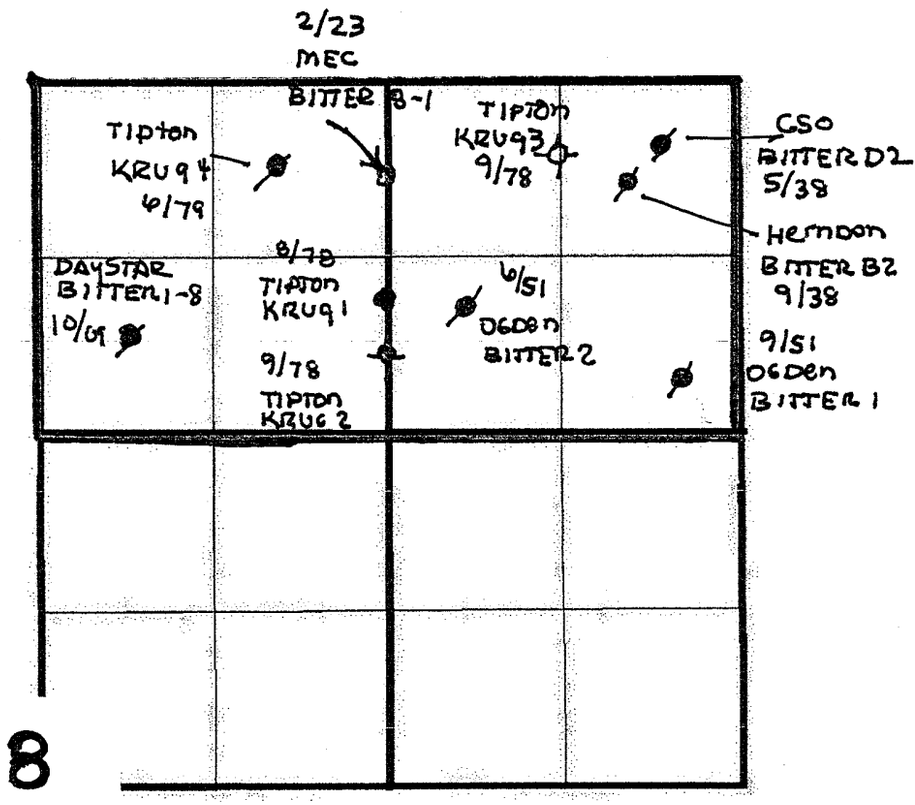
TOOL PUSHER: DION VASQUEZ

Formation Tops	Sample Tops	Corrected Sample Tops	Electric Log Tops	Subsea Datums
BASE SURF CSG	266		266	
T/ANHYDRITE	907		905	+1035
B/ANHYDRITE	933		933	+1007
STOTLER	2619		2615	-675
HOWARD	2761		2758	-818
TOPEKA	2833		2831	-891
QUEEN HILL	2982		2978	-1038
HEEBNER SHALE	3068		3054	-1114
TORONTO LS	3087		3081	-1141
DOUGLAS SHALE	3103		3097	-1157
BRN LS	3145		3142	-1202
LANSING	3161		3157	-1217
STARK SHALE	3340		3338	-1398
BKC	3368		3379	-1439
ARBUCKLE	3387		3384	-1444
RTD. LTD	3394		3390	-1450

Reference Well: DAYSTAR BITTER 1-8, NESWNWNE 8-16S-13W BARTON CO.

Kansas



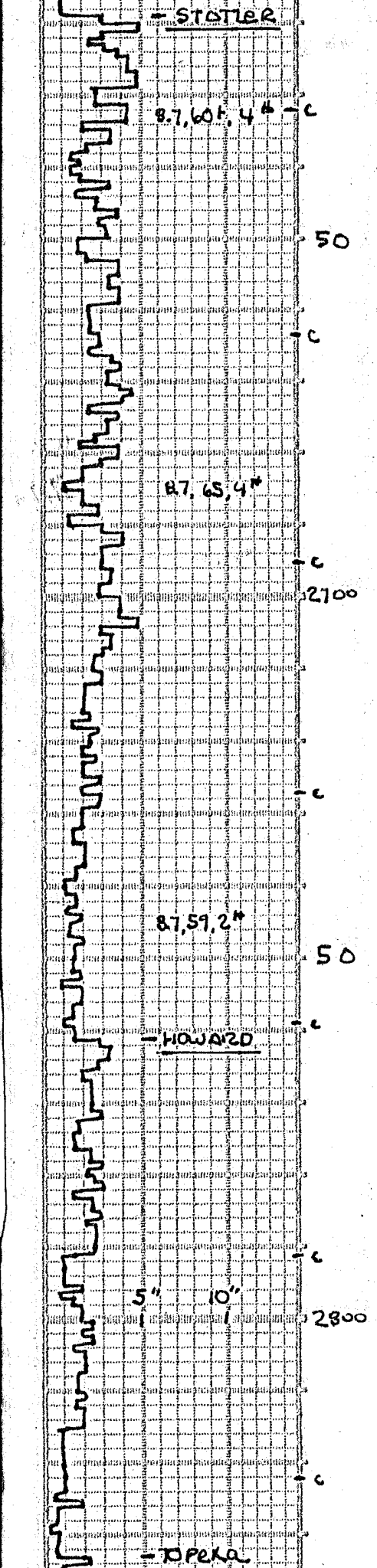


N2 NE
Sec. 8 – T16S – R13W
BARTON COUNTY, KS

Legend

Sandstone	Limestone	Chert	Coal/ Carb. Shale
Siltstone	Dolomite	Granite Wash	Conglomerate
Shale	Anhydrite/ Gypsum	Granite	oolitic/ oomoldic

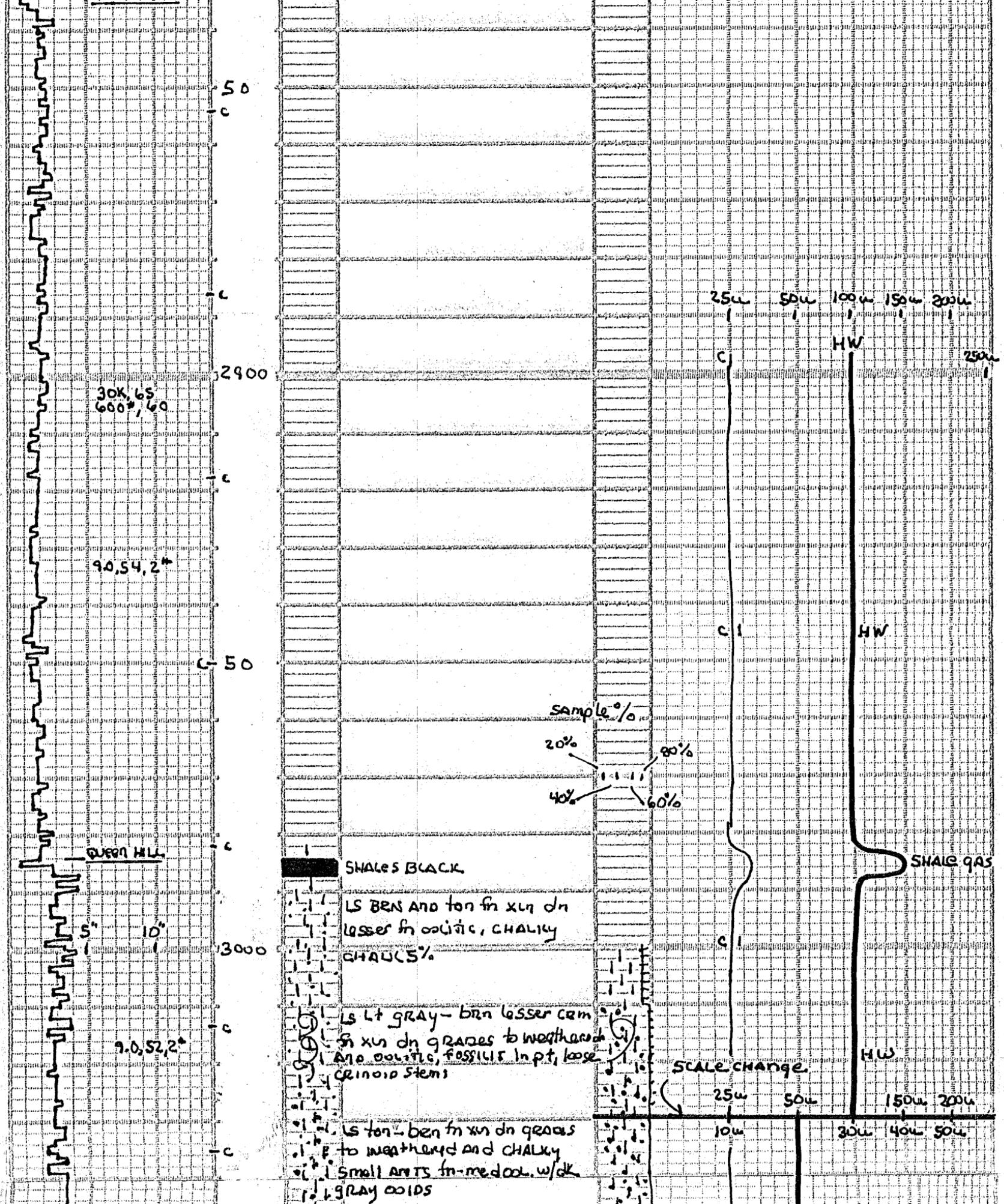
Drilling Rate Minutes/Foot (5 – 10)	Depth	LITHOLOGY	Sample Descriptions	SAMPLE %	Hot Wire / Chromatograph (25u – 50u – 100u – 150u – 200u)
			O-CIRCULATE FOR SAMPLES		
			C- DRILL PIPE connections		
			SHT AT 266' – ½°		
			1209- WT 8.8, VIS 29 WL, NC, CH L 1200 LCM O		
5" 10"	900		2096- WT 9.6, VIS 29 WL NC, CH L 33K LCM O #		
— TOP					
— C			ANHYDRITE INTERVAL		
— BASE	50				
BEGIN ONE (1) FOOT DRILL TIME at 2600'					
5" 10" 30K/65 600#/60	2600		DRLG W/BIT #2 7 7/8 JZ527C JETS 3-15's in at 266'		GAS DETECTOR OPERATIONAL AT 2200 FT Begin 10 FT SAMPLES AT 2600 FT DISPLACE MUD SYSTEM AT 2489 FT Geol on LOCATION at 2900 FT

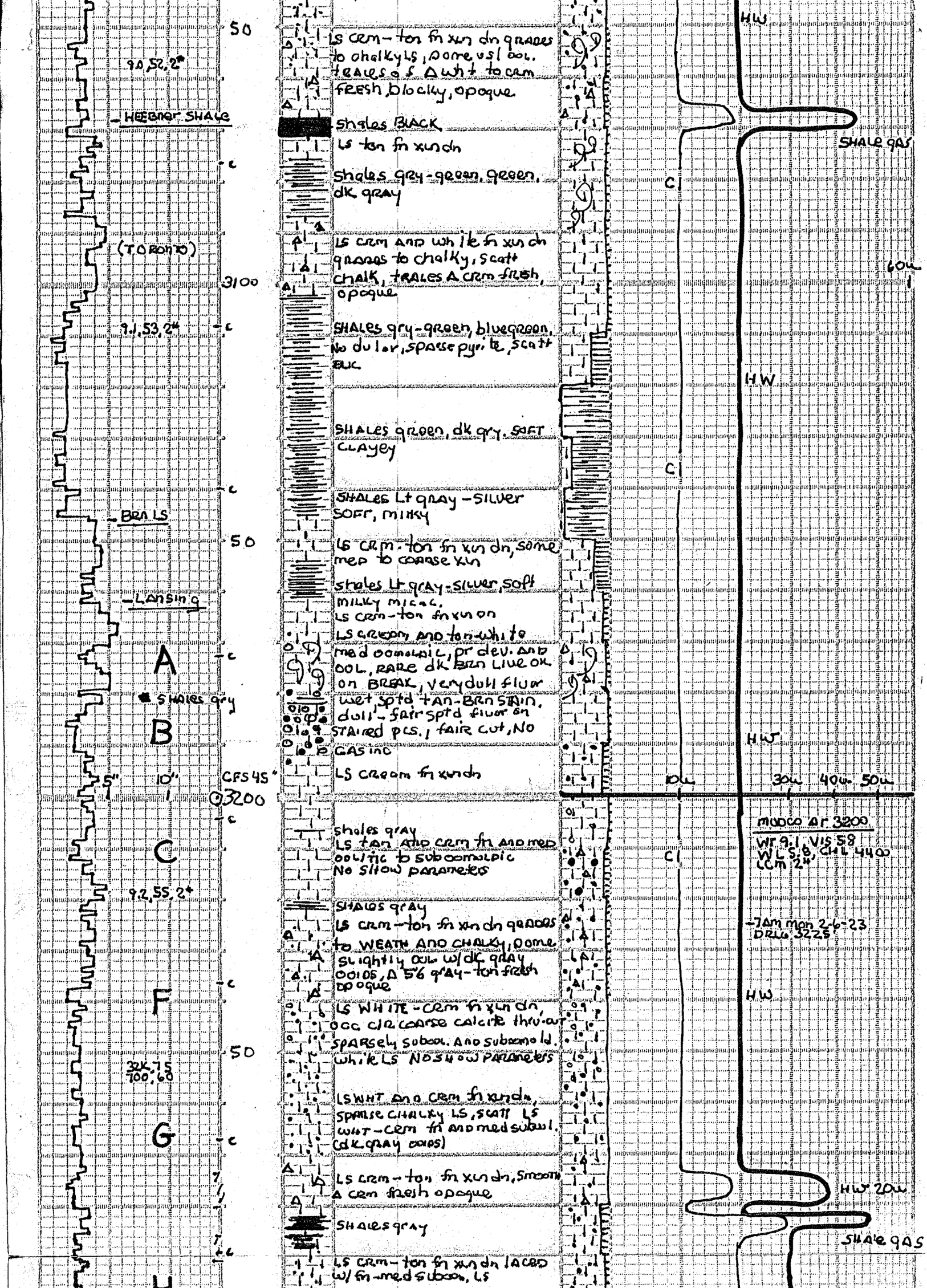


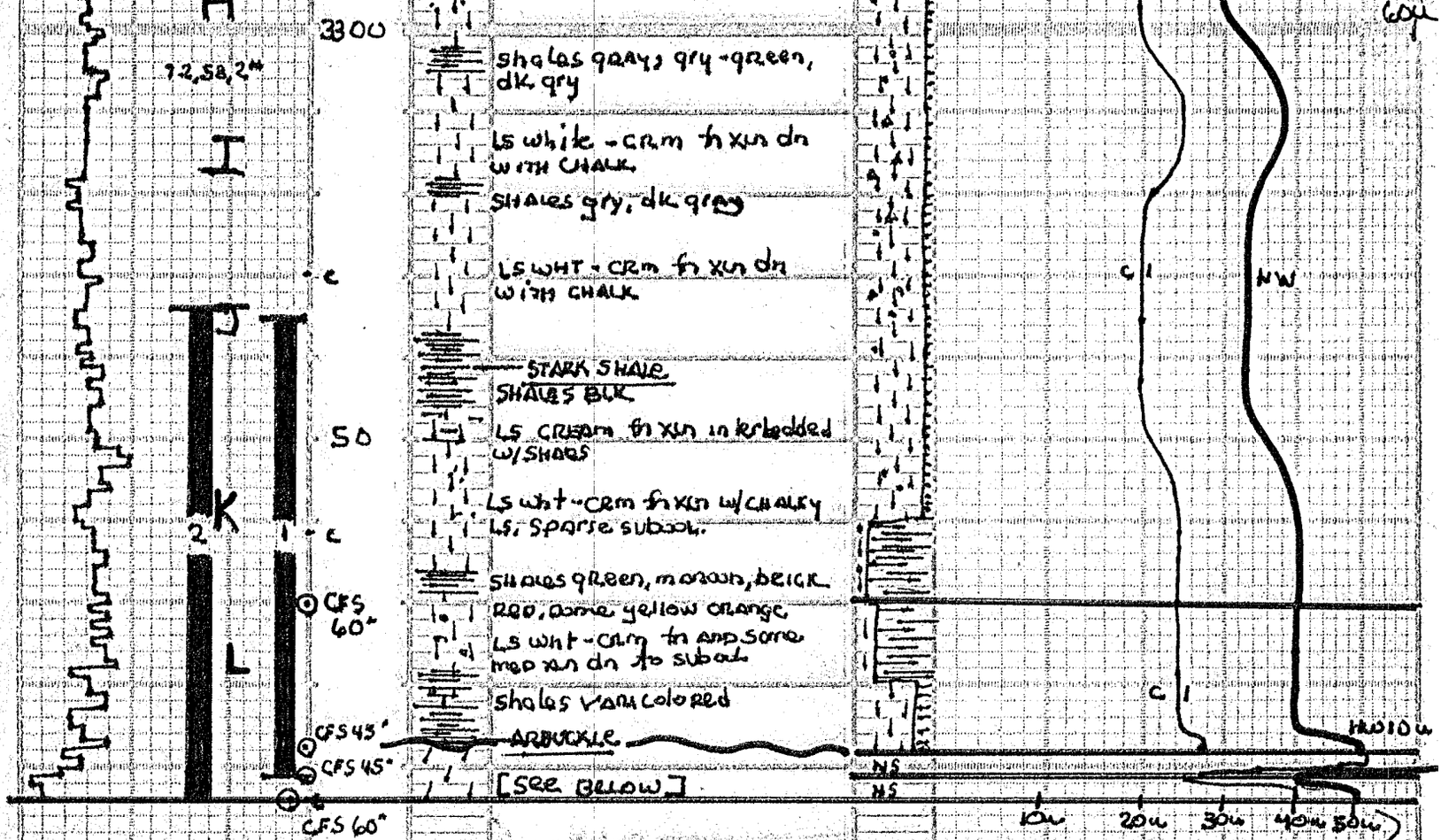
MUDCO AT 2707

WT 8.7 VIS 50
WL 5.4 CHL 4500
LCM 2#

7AM SUN 2-5-23
DRLG 2760'


50
C
C
2900
30K, 65
600#, 60
C
90,54,2#
C 50
sample %
20%
80%
40%
60%
QUEEN HILL
C
SHALES BLACK
LS BRN AND tan fn xln dn
losser fn oolitic, CHALKY
5"
10"
3000
CHALKS %
C
LS Lt GRAY - brn losser crm
fn xln dn grades to weathered
AND OOLITIC, FOSSILIS In pt, loose
crinoid Stems
90,52,2#
C
LS tan - brn fn xln dn grades
to weathered and CHALKY
small ARTS fn-med ool. w/dk
GRAY OOIDS
25u
50u
100u
150u
200u
HW
250u
C
C 1
HW
SHALE GAS
C 1
SCALE change
25u
50u
150u
200u
10u
30u
40u
50u
HW


50
LS crm-ton fn xln dn grades to chalky LS, some vsl ool. traces of Δ wht to crm fresh, blocky, opaque
90, 52, 2"
HEEBNER SHALE
shales BLACK
LS ton fn xln dn
shales gry-green, green, dk gray
(TORONTO)
LS crm and white fn xln dn grades to chalky, scatt chalk, traces Δ crm fresh opaque
3100
91, 53, 2"
shales gry-green, blue green, No dul or, sparse pyrite, scatt BLK
shales green, dk gry. soft clayey
BRN LS
shales Lt gray-silver soft, milky
50
LS crm-ton fn xln dn, some med to coarse xln
shales Lt gray-silver, soft milky micac.
LANSING
LS crm-ton fn xln on
A
LS cream and ton-white med oomolpic, pr dev. and ool, rare dk brn live oil on break, very dull fluor
shales gry
B
wet, sptd tan-brn stain, dull-fair sptd fluor on stained pcs., fair cut, No gas inc
5" 10" CFS 45"
LS cream fn xln dn
@3200
shales gray
C
LS tan and crm fn and med oolitic to suboomolpic No show parameters
92, 55, 2+
shales gray
LS crm-ton fn xln dn grades to weath and chalky, some slightly ool. w/dk gray oolos, Δ 5% gray-ton fresh opaque
F
LS white-crm fn xln dn, occ c/r coarse calcite thru-out sparsely subool. and suboomold.
50
32K 75
700, 68
white LS No show parameters
LS wht and crm fn xln dn, sparse chalky LS, scatt LS wht-crm fn and med subool. (dk gray oolos)
G
LS crm-ton fn xln dn, smooth Δ crm fresh opaque
shales gray
LS crm-ton fn xln dn laced w/ fn-med subool. LS
HW
SHALE GAS
C
60u
HW
HW
10u
30u 40u 50u
MUDCO @ 3200
WT 9.1 VIS 58
WL 5.8, CHL 4400
LCM 2#
-7am mon 2-6-23
DRLG 3225
HW
HW 20u
SHALE GAS



RTD 3394-1454 AT 1:45PM 2-7-23
CFS 60"
TAKE DST 2 3323-3394
AFTER DST 2 - WAIT ON BANK FOR LOGGERS
EU WILSUC logging BEHIND DST 2
FINISHED AT 400 AM WED 2-8-23
LTD 3388-1443

BASED ON THE RESULTS OF DST 1 AND DST 2 IN THE ARBUCKLE FORMATION A DECISION WAS MADE TO PLUG AND ABANDON THE MEC BITTER B-1
7AM WED 2-8-23
3394 - PREPARING to P.A

3388-3391
Strong odor, dolomite crm med xln, rhombic, fair even gold fluor wet exhibiting fair and good show ton live oil, some gassy from good interxln and vuggy ø, some pcs w/ embedded coarse arb grains, ton even sat w/ fast streaming cut, bright residual ring HW-10u, Recy HW-10u

3391 3394
VERY strong odor, dolo. crm to white, mostly med xln to rhombic, some coarse xln w/ assoc. anhites and a fair to good interxln and vuggy ø dull to fair fluor wet, good shows ton and brn live oil (oil does not stain), some gassy oil on break, dull to fair yellow green fluor dry. Spotd stn, fast cut with bright residual ring HW-25u, Recy HW-10u, 2ND Recy HW-10u

7AM TUES 2-7-23 - TAKING DST 1 3391
MUD CO AT 3391'
WT 9.3, VIS 54
WL 6.0, CHL 42K0
LCM 2#

SHORT TRIP AT 3370' 30 STANDS
CTCH 60"

PIPE STRAP at 3391' -0.07' SHORT
SHT AT 3391 - 1°

5 10 DRILLING RATE MINUTES/FOOT	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	SAMPLE %	10u 20u 30u 40 50u HOT WIRE CHROMATOGRAPH

DST 1) 3335 - 3391

(Arbuckle Dolomite)

Times: 30-60-15-30

1st open: weak surface blow died in 7 minutes
(NO Blowback)

2nd open: weak surface blow died in 3 minutes
(NO Blowback)

Rec: NO Gas in Pipe
5' Mud (100% mud)
5' Total Fluid - ALL in Drill Pipe

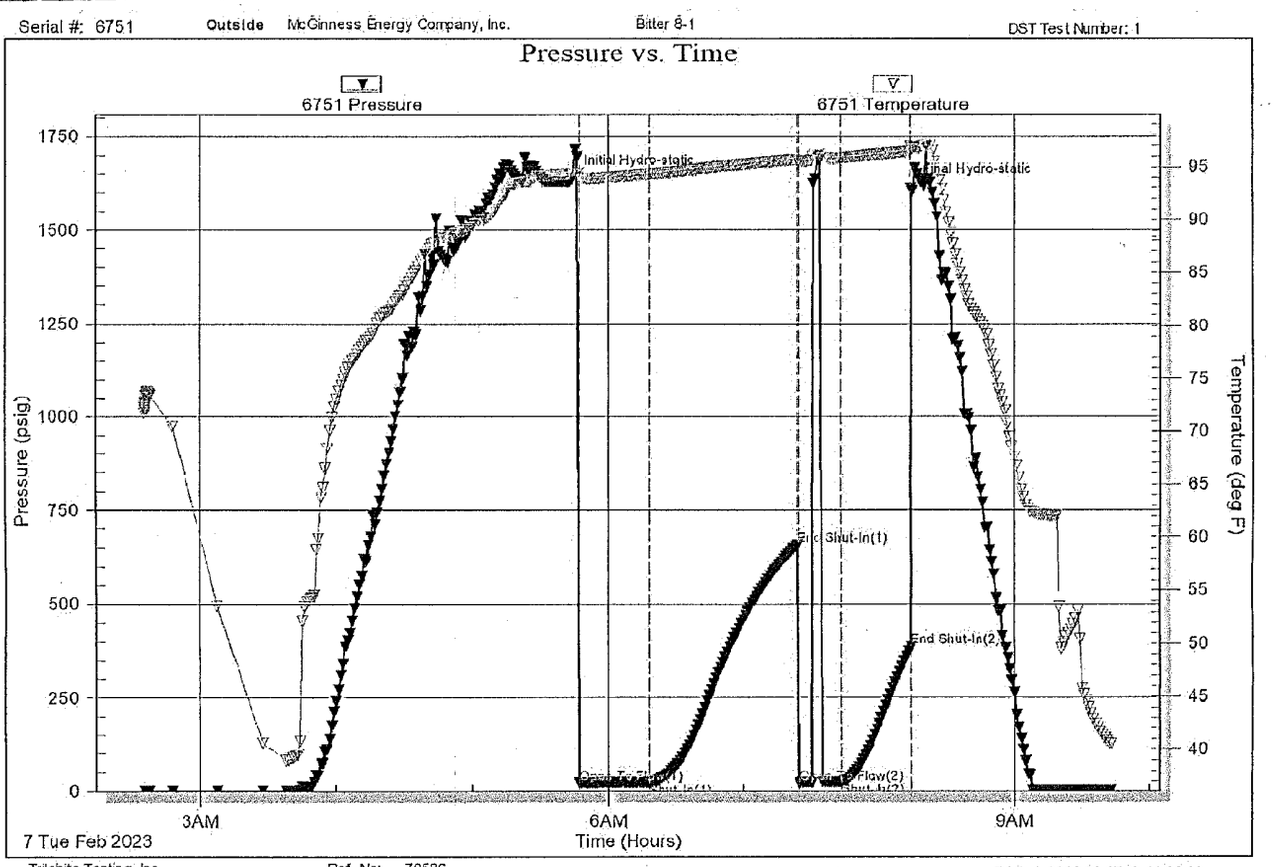
(electronic recorders)

IHYD:	1637	psig
IFP:	22-234	psig
IBHP:	657	psig
FFP:	22-24	psig
FBHP:	388	psig
FHYD:	1612	psig

TEMP: 96 degrees F

Tester: Chris Hagman: Trilobite Testing, LLC, Pratt Kansas District
NOTE: Conventional DST (dual packers, electronic recorders, safety joint, Portal, jars)

NO bottom sampler



DST 1 - Chart

DST 2) 3334 - 3394

(Arbuckle Dolomite)

Times: 30-60-45-60

1st open: BOBOB in 10 min.- built to 28 inches - NO GAS TO SURFACE
(NO Blowback)

2nd open: BOBOB in 15 min.- built to 30 inches - NO GAS TO SURFACE
(NO Blowback)

Rec: NO Gas in Pipe
252' Muddy Water
(90% water, 10% mud)
234' Watery Mud
(30% water, 70% mud)
486' Total Fluid - ALL in Drill Pipe

chlorides of mud system: 4,800 ppm
chlorides of formation water: 20,000 ppm
resistivity of formation water: 0.545 @ 49 deg F

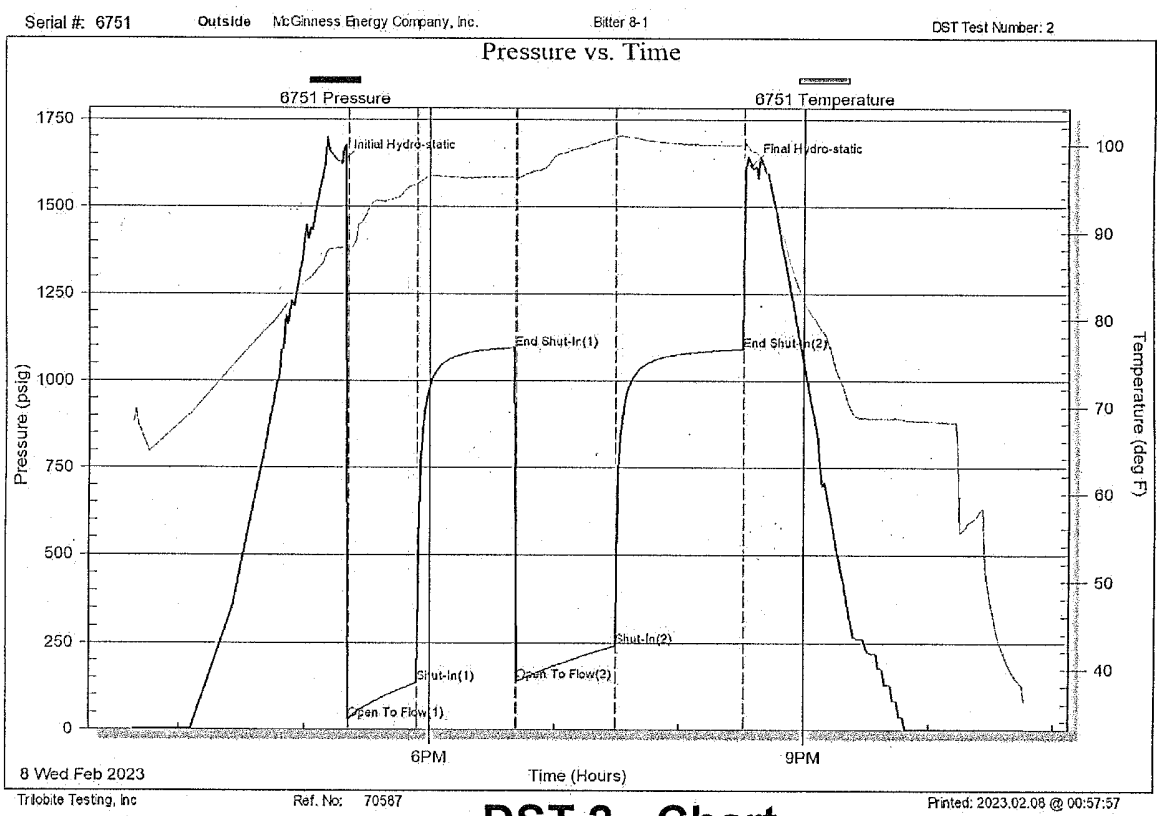
(electronic recorders)

IHYD:	1626	psig
IFP:	31-136	psig
IBHP:	1094	psig
FFP:	141-244	psig
FBHP:	1091	psig
FHYD:	1617	psig

TEMP: 100 degrees F

Tester: Chris Hagman: Trilobite Testing, LLC, Pratt Kansas District
NOTE: Conventional DST (dual packers, electronic recorders, safety joint, Portal, jars)

NO bottom sampler



DST 2 - Chart

HURRICANE SERVICES INC

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

Customer:

MCGINNESS ENERGY COMPANY INC
9330 E CENTRAL AVE
SUITE 300
WICHITA, KS 67206

Invoice Date:	2/8/2023
Invoice #:	0366437
Lease Name:	Bitter
Well #:	8-1
County:	Barton, Ks
Job Number:	WP3927
District:	Pratt

Date/Description	HRS/QTY	Rate	Total
PTA	0.000	0.000	0.00
H-Plug	240.000	14.000	3,360.00
Cello Flake	61.000	1.750	106.75
Light Eq Mileage	70.000	2.000	140.00
Heavy Eq Mileage	140.000	4.000	560.00
Ton Mileage	725.000	1.500	1,087.50
Cement Blending & Mixing	240.000	1.400	336.00
Depth Charge 3001'-4000'	1.000	2,250.000	2,250.00
Cement Data Acquisition	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00
Wooden plug 8 5/8"	1.000	150.000	150.00

Net Invoice	8,515.25
Sales Tax:	511.15
Total	9,026.40

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	McGinness Energy CO.	Lease & Well #	Bitter 8-1			Date	2/8 /2023
Service District	Pratt Kansas	County & State	Barton Kansas	Legals S/T/R	8-16s-13w	Job #	
Job Type	PTA	☑ PROD	☐ INJ	☐ SWD	New Well? ☑ YES ☐ No	Ticket #	wp 3927

Equipment #	Driver
916	M Brungardt
181/521	R Osborn
182/534	J Triveno

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☐ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☑ Slip/Trip/Fall Hazards	☐ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☑ Overhead Hazards	☑ Muster Point/Medical Locations
☐ Hearing Protection	☐ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
cp055	H-Plug A	sack	240.00			$3,360.00
cp120	Cello-flake	lb	61.00			$106.75
m015	Light Equipment Mileage	mi	70.00			$140.00
m010	Heavy Equipment Mileage	mi	140.00			$560.00
m020	Ton Mileage	tm	725.00			$1,087.50
c060	Cement Blending & Mixing Service	sack	240.00			$336.00
d014	Depth Charge: 3001'-4000'	job	1.00			$2,250.00
c035	Cement Data Acquisition	job	1.00			$250.00
r061	Service Supervisor	day	1.00			$275.00
fe290	8 5/8" Wooden Plug	ea	1.00			$150.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

				Net:	$8,515.25
Total Taxable	$ -	Tax Rate:			
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.			Sale Tax:	$ -	
			Total:	$ 8,515.25	

HSI Representative: *Mark Brungardt*

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 ½% 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 fom 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**

ftv: 15-2021/01/25
mplv: 363-2023/01/25

CEMENT TREATMENT REPORT

Customer:	McGinness Energy CO.	Well:	Bitter 8-1	Ticket:	wp 3927
City, State:	Susank Kansas	County:	Barton Kansas	Date:	2/8 /2023
Field Rep:	Dion V	S-T-R:	8-16s-13w	Service:	PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	3360 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	45.0 bbls

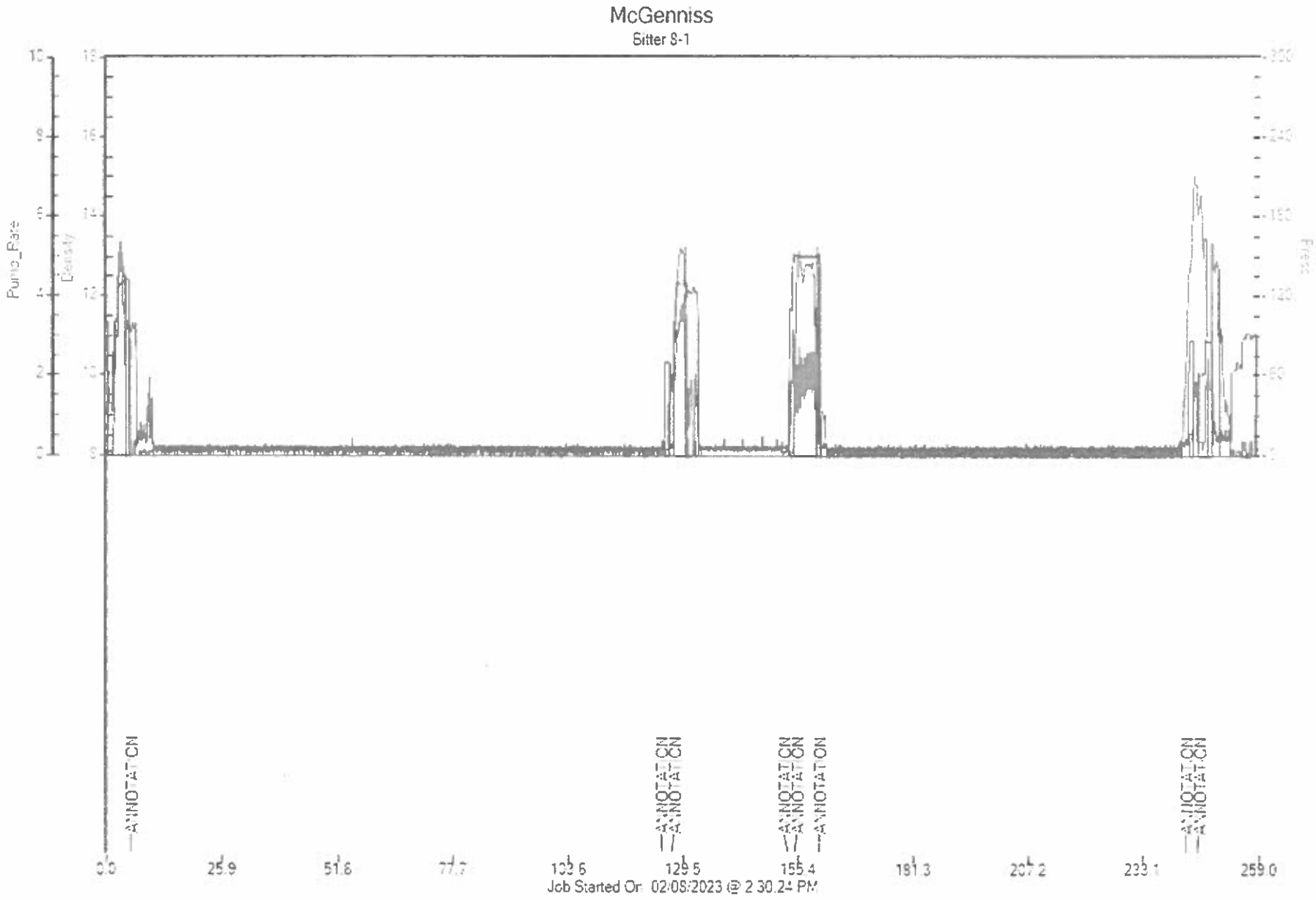
Calculated Slurry - Lead	
Blend:	H-Plug
Weight:	13.7 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	61.1 bbls
Total Sacks:	240 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
2:15 PM			-	-	on location job and safety
2:25 PM				-	spot trucks and rig up
				-	
2:35 PM				-	1st plug
	4.5	120.0	3.0	3.0	fresh water
	4.5	120.0	12.7	15.7	mix 50 sacks cement
	4.5	120.0	3.0	18.7	fresh water
	5.0		42.0	60.7	mud
				-	
				-	
4:40 PM					2nd plug 950 ft 50sks
	4.5	100.0	3.0		fresh water
	4.5	100.0	12.7		mix 50 sacks cement
	4.5	100.0	8.0		displacement
5:10 PM					3rd plug 100 sacks at 400 ft
	5.0	50.0	3.0		fresh water
	5.0	50.0	25.0		mix 100 sacks cement
	5.0	50.0	0.3		displacement
6:40 PM	2.0	-	2.5		40 ft 10 sacks
	2.0	-	7.6		rat hole 30 sacks

	CREW	UNIT
Cementer:	M Brungardt	916
Pump Operator:	R Osborn	181/521
Bulk #1:	J Triveno	182/534
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.3 bpm	74 psi	123 bbls


McGenniss
Bitter 8-1
Pump_Rate
Density
Flow
—ANNOTATION
—ANNOTATION
—ANNOTATION
—ANNOTATION
—ANNOTATION
0.0
25.9
51.8
77.7
103.6
129.5
155.4
181.3
207.2
233.1
259.0
Job Started On: 02/08/2023 @ 2:30:24 PM