

Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	WORCESTER A 1-21
Doc ID	1713204

All Electric Logs Run

DI
Sonic
PE
Micro

Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	WORCESTER A 1-21
Doc ID	1713204

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	263	class H-325	250	2% gel, 3% cc
Production	7.875	5.5	15	3910	class H-BT	250	50% F; .1% FL, 3% salt
Production	7.875	5.5	15	1956	class H-Con	230	50% F, 1% FL, 3% salt

OPERATOR

Company: Satchell Creek Petroleum, LLC
Address: 3032 N Cortina Street
Wichita.KS

Contact Geologist: Michael J.Hopson
Contact Phone Nbr:

Well Name: Worcester A #1-21
Location: Sec: 21-T7S-R-22W
API: 15-065-24228-00-00

Pool: Oil
State: Kansas

Field: Alda South
Country: USA

Scale 1:240 Imperial

Well Name: Worcester A #1-21
Surface Location: Sec: 21-T7S-R-22W
Bottom Location: 330' FSL 330 FEL
API: 15-065-24228-00-00
License Number: 35970
Spud Date: 1/11/2023 Time: 3:00 PM
Region: Graham, County
Drilling Completed: 1/21/2023 Time: 1:00 PM
Surface Coordinates: 330' FSL & 330' FEL
Bottom Hole Coordinates:
Ground Elevation: 2285.00ft
K.B. Elevation: 2093.00ft
Logged Interval: 3300.00ft To: 0.00ft
Total Depth: 3960.00ft
Formation:
Drilling Fluid Type: Chemical /Polymer

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude:
Latitude:
N/S Co-ord: 330' FSL
E/W Co-ord: 330' FEL

LOGGED BY

Company: Patrick J. Deenihan
Address: 7409 E. Cedaridge Circ.
Wichita, KS 67226

Phone Nbr: (316)-619-5574
Logged By: Geologist

Name: Patrick J Deenihan

CONTRACTOR

Contractor: Feature Drilling
Rig #: # 3
Rig Type: mud rotary
Spud Date: 1/11/2023 Time: 3:00 PM
TD Date: 1/21/2023 Time: 1:00 PM
Rig Release: 1/22/2023 Time: 7:00 PM

ELEVATIONS

K.B. Elevation: 2093.00ft Ground Elevation: 2285.00ft
K.B. to Ground: 8.00ft

NOTES

Surface Casing: 8-5/8" @ 263' # 1-21 Worchester A
SEC.- 21-T7S-R22W
Production Casing: 51/2" @ 3890' SE-SE
KB : 2293 '

Daily Penetration:	01/11/23	MIRU	
	01/12/23	Spud Well Drilling @ 263'	
	01/13/22	WOC	
	01/14/23	900'	
	01/15/23	900'	Rig Repairs-drilled to 2267
	01/16/23	2392'	**
	01/17/23	2986'	****
	01/18/23	3529'	****
	01/19/23	3574'	****
	01/20/23	3602'	****
	01/21/23	3690'	****
	01/21/23	3955 LTD	

DRILL STEM TESTS

DST #1 (3482' -3529')	Tor & Lans:A
30" -IF: 6.4" 30"-IF- 7.0"	45"-ISI - No Return 45"-FF-7" 60"-FSI - No Return
REC: 134 (Total Fluid}	72' Of HWCW (45%Water & 55% Mud) 62' MCW-(80% Mud & 20% Mud)
IHP: 1794# FHP: 1779#	FIF: 42/69# SIF: 100/150# ISIP: 775# FSIP: 760#
CHL: 7,000 Gravity: N/A	BHT: 111 Deg.

DST #2 (3746' - 3773')	Lans: D
30"-IF-Wk Died in 20"	30" -ISI-No Return 30" -FF-No Blow 30" -FSI- No Return
REC: REC: 30 (Total Fluid)	30' Mud (100% Mud) :
IHP: 1746# FHP: 1740#	FIF: 207/1060# SIF: 109/1083# ISIP: 1713# FSIP: 1688#
CHL: 5.000 (Mud Sys.)	Gravity: N/A BHT: 103 Deg.

DST #3 (3560 - 3602')	Lans: D-E-F
30"-IF- BOB in 15" 30"-ISI - No Return 30"-FF-BOB in 25"	30"-FSI- No Return
REC: 330' (Total Fluid)	1% Oil & 90% Water & 10% Mud
IHP: 1748# FHP: 1733#	FIF: 24/74# SIF: 109/1083# ISIP: 432# FSIP: 429#
CHL: 5,100 (Filtrate)	Gravity: N/A BHT: 104 Deg.

GEOLOGICAL TOPS

Formation	Sample Top	Datum	Log	Datum	Comparison*
Anhydrite	1962'	+399	1973	+388	-2
Base/Anhy.	2009'	+352	2011	+350	Flat
Heebner	3669'	-1308	3672	-1311	-3
Toronto	3689'	-1329	3694'	-1333	-4
Lansing	3701'	-1340	3704'	-1343	+3
B/KC	3939'	-1578	3940	-1579	-4

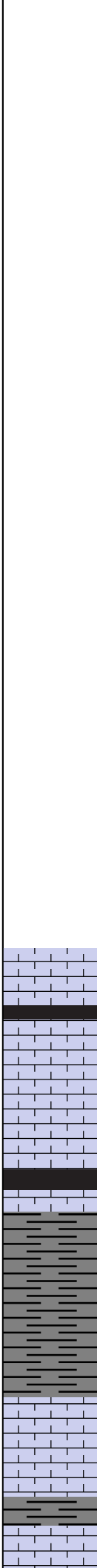
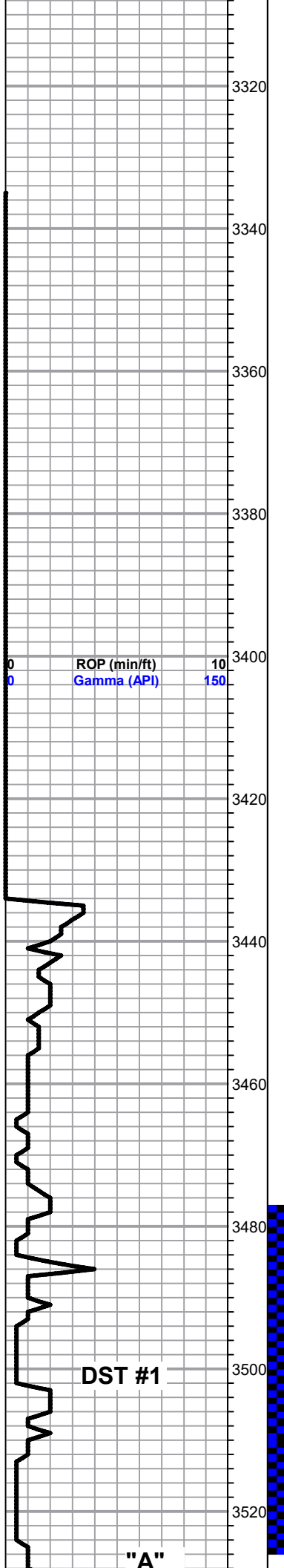
Ref. Well : Graham-Michaelis.'s #1-21 Worchester Center SE/4-NW/4
 Sec 21-T07S-22W, Graham, Kansas

ROCK TYPES

	Cht vari		Chtcongl		Lmst fw7>		Ss
	Coal		Dolprim		shale, gry		

- DST Int
- DST alt
- Core
- tail pipe

[illegible]



Sh., Black Carb.
Ls. Wht., Chalky Samples Wash Wht., No show

Heebner 3483 (-1190)

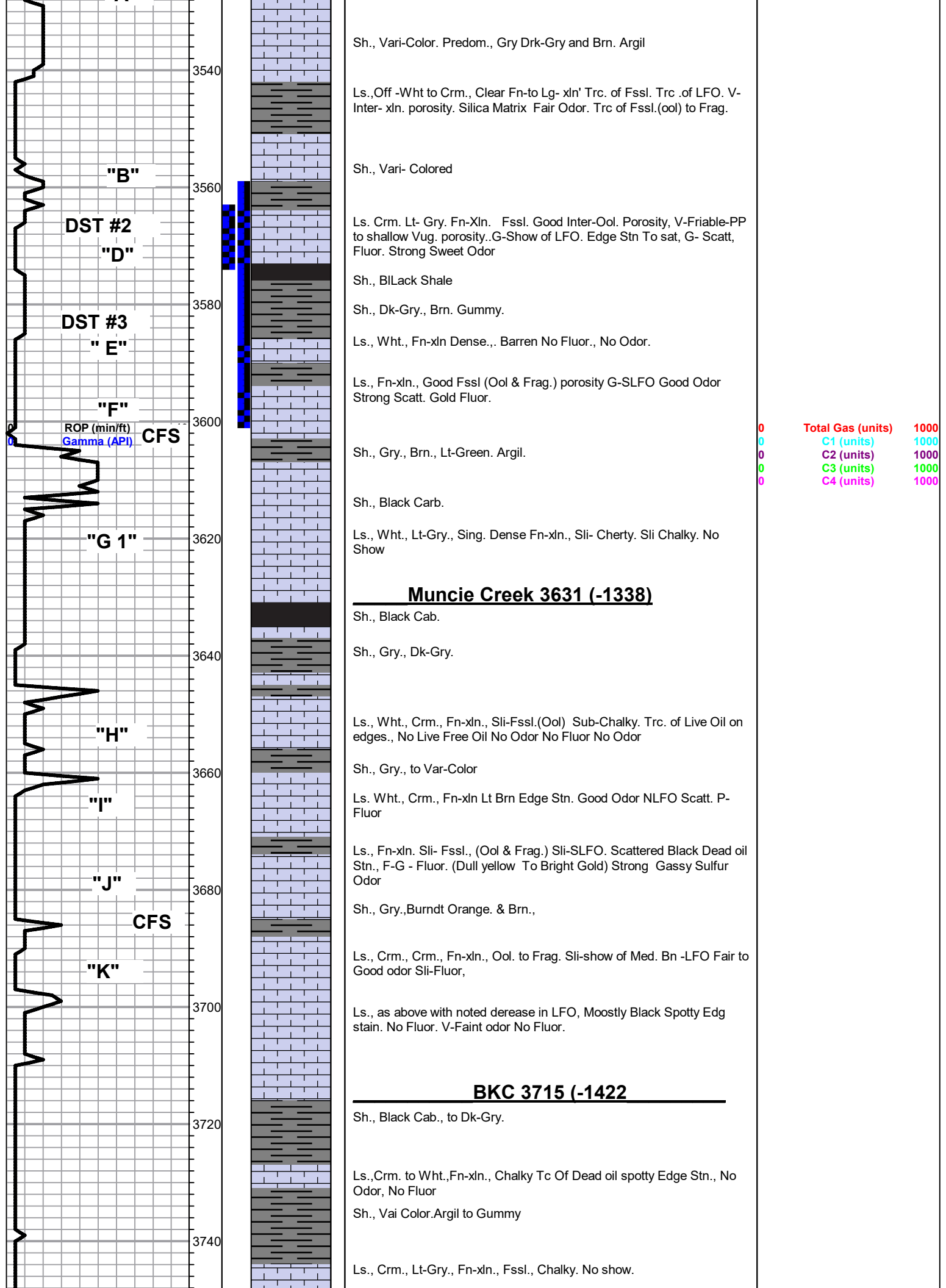
Sh., Black Carb

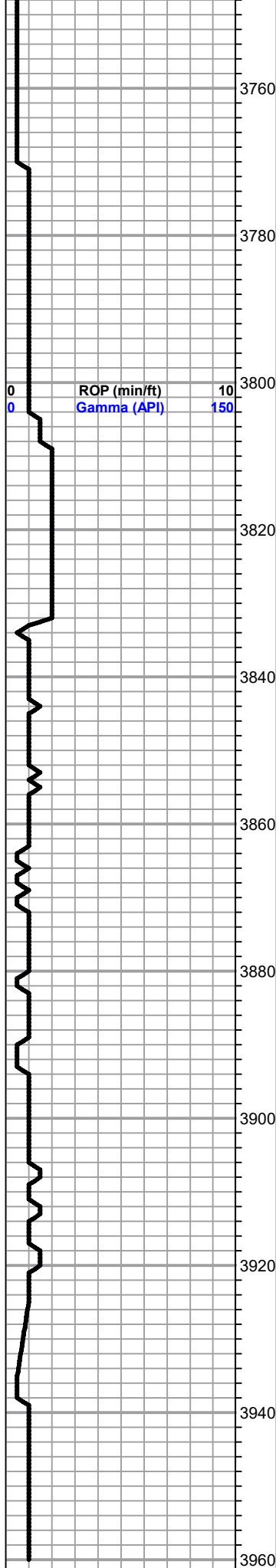
Toronto 3494 (-1201)
Ls., Fn-xln Sli-FssL., F-Inter. Por. Faint Odor,Good edge to sat. Stn.
No show of LFO.

Ls Crm., V-G .,Fn to Inter-Xln Por. Fssl., Ool.. Fair Odor., GS of
LFGO.Gd-Fluoe.

Lansing 3525 (-1232)

0	Total Gas (units)	1000
0	C1 (units)	1000
0	C2 (units)	1000
0	C3 (units)	1000
0	C4 (units)	1000





Sh.,Gry., Dk-Gry.

Sh., Black., Arg to Pyritic., Brn. to Reddish-Brn. (gummy)., Gry's Agi

Vari-Collar Chert Fresh To sli.Weathered.

CONGLOM. 3787 (-1494)

Ss., as above. Not as mch Chert and Shale. Good Odor nd Fair Fluor.

Inter-Bedded Ss., Wht.-Clear., Clusters Carrying Blank low gravity Oil .
For the most part totally Saturaed., Fria. to Non-Friable. Upon breakong
Dk-Oil floates out. Some Tarry some Gilsonitic,G-Odor Scatt. Dull
Fluor.

Abuckle 3818 (-1525)

Dolo., Crm., Lt-Brn., Suc. to Large Rhombic Por. Saturated with
Black Live Oil., dnse, FSFO, Strong odor.

Dolo., Crm., Lt-Brn., Suc. to Large Rhombic Por. Saturated with Black
Live Oil. Strong odor.

Dolo., Crm., to Lt-Bn.Sucr to Small Rhombic. Gd,-SLO trc of Free but
Heavy to Tarry.Good to Strond Odor

Dolo., as above.

Dolo., Gry-Lt-Gy. Scattered Spotty Black edge Stain. No Odor. No
Fluor.

Dolo., as above

Dolo., as above

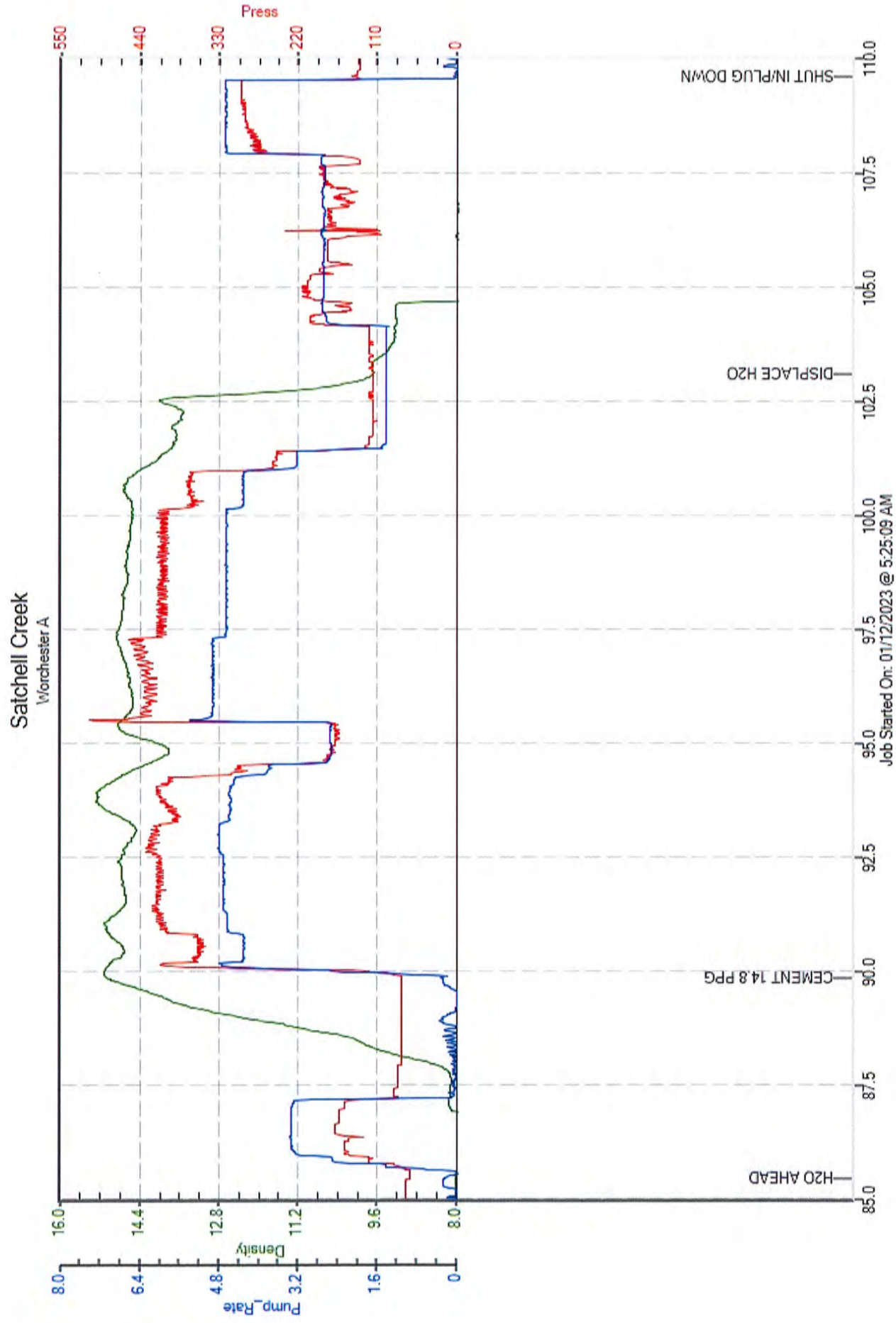
RTD: 3960 (-1667)

1-21-23

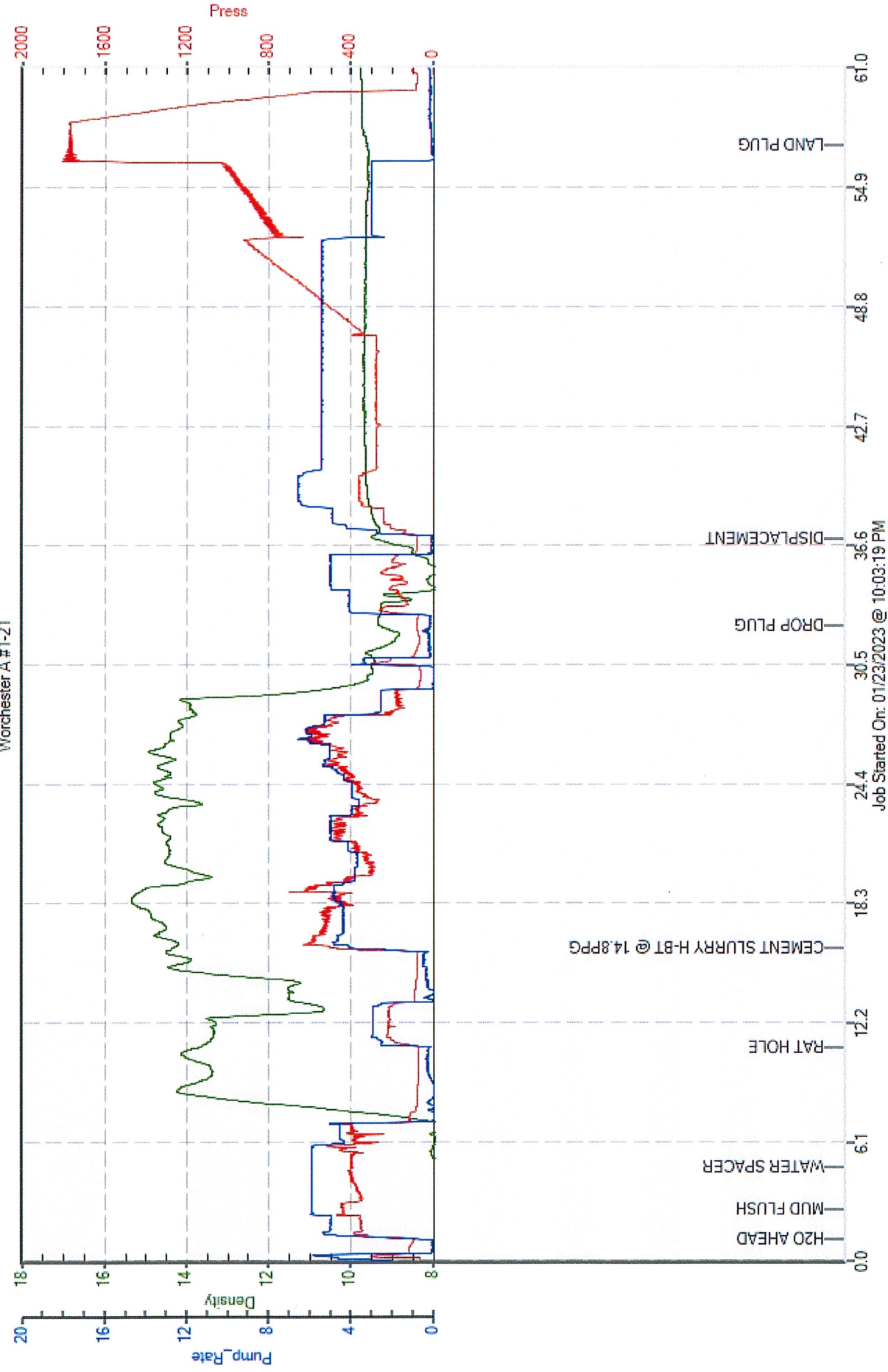
LTD: 3955 (-1662)

0	Total Gas (units)	1000
0	C1 (units)	1000
0	C2 (units)	1000
0	C3 (units)	1000
0	C4 (units)	1000

ROP (min/ft)	Gamma (API)	Total Gas (units)	C1 (units)	C2 (units)	C3 (units)
0	0	0	0	0	0
10	150	1000	1000	1000	1000
3980					
4000					



Satchell Creek Petroleum Wardhester A #1-21



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.

ftv: 13-2021/01/19
mply: 363-2023/01/25



Operation:

Well Complete

**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

January

18

2023

DST #1 Formation: Toronto Test Interval: 3482 - Total Depth: 3529'
"A"
3529'

Time On: 06:00 01/18

Time Off: 15:30 01/18

Time On Bottom: 09:47 01/18

Time Off Bottom: 12:47 01/18

Electronic Volume
Estimate:
115'

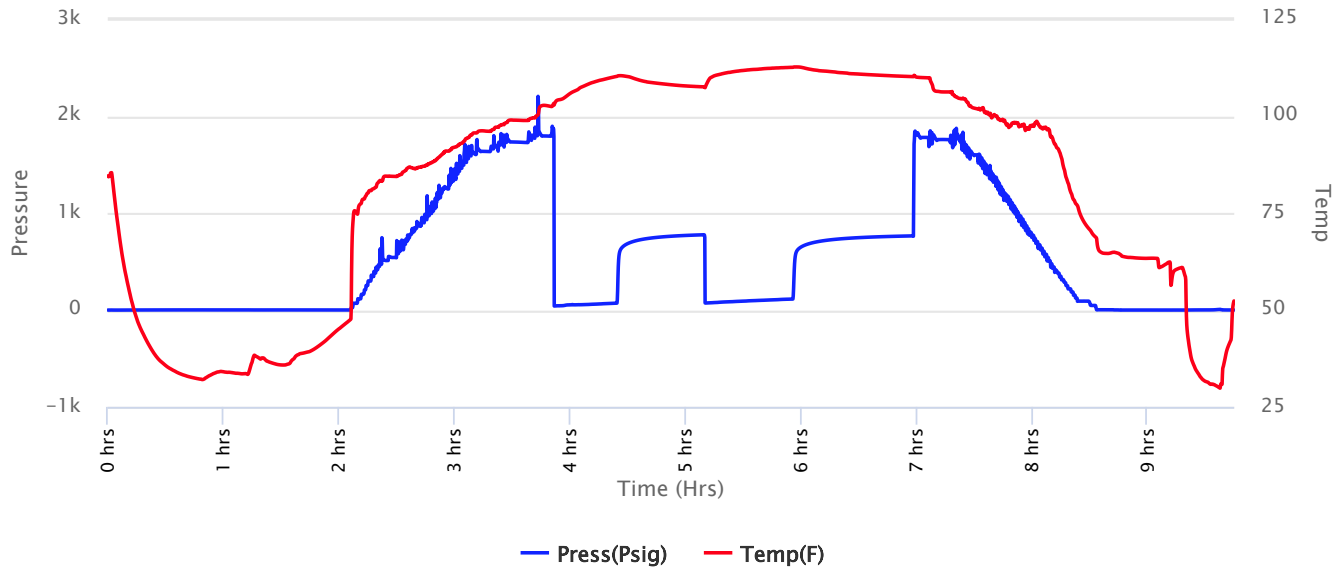
1st Open
Minutes: 30
Current Reading:
6.4" at 30 min
Max Reading: 6.4"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading:
6.1" at 45 min
Max Reading: 6.1"

2nd Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

Inside Recorder





**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

Operation:

Well Complete

DATE

January

18

2023

DST #1

**Formation: Toronto
"A"**

**Test Interval: 3482 -
3529'**

Total Depth: 3529'

Time On: 06:00 01/18

Time Off: 15:30 01/18

Time On Bottom: 09:47 01/18

Time Off Bottom: 12:47 01/18

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
72	1.02456	HWCM	0	0	45	55
62	0.88226	MCW	0	0	80	20

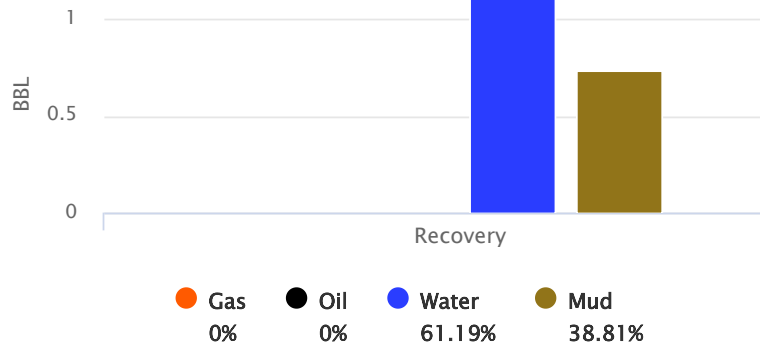
Total Recovered: 134 ft

Total Barrels Recovered: 1.90682

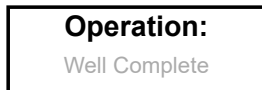
Reversed Out
NO

Initial Hydrostatic Pressure	1794	PSI
Initial Flow	43 to 70	PSI
Initial Closed in Pressure	775	PSI
Final Flow Pressure	72 to 112	PSI
Final Closed in Pressure	760	PSI
Final Hydrostatic Pressure	1779	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	1.9	%

Recovery at a glance



GIP cubic foot volume: 0



SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

2023

Time On: 06:00 01/18 Time Off: 15:30 01/18
Time On Bottom: 09:47 01/18 Time Off Bottom: 12:47 01/18

1st Open: Weak, surface blow building to 6 ins.
1st Close: No blow back.
2nd Open: Weak, surface blow building to 7 ins.
2nd Close: No blow back.

Chlorides: 63,600 ppm



Operation:

Well Complete

**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

January

18

2023

DST #1 Formation: Toronto Test Interval: 3482 - Total Depth: 3529'
"A"
3529'

Time On: 06:00 01/18

Time Off: 15:30 01/18

Time On Bottom: 09:47 01/18

Time Off Bottom: 12:47 01/18

Down Hole Makeup

Heads Up: 24.57 FT

Packer 1: 3476.5 FT

Drill Pipe: 3473 FT

Packer 2: 3482 FT

ID-3 1/2

Top Recorder: 3465.42 FT

Weight Pipe: FT

Bottom Recorder: 3518 FT

Collars: FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 34.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 47

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 2 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 31 FT

ID-3 1/2

Change Over: .5 FT

Perforations: (below): 12 FT

4 1/2-FH



Operation:

Well Complete

**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

January

18

2023

DST #1

**Formation: Toronto
"A"**

**Test Interval: 3482 -
3529'**

Total Depth: 3529'

Time On: 06:00 01/18

Time Off: 15:30 01/18

Time On Bottom: 09:47 01/18

Time Off Bottom: 12:47 01/18

Mud Properties

Mud Type: Chemical

Weight: 9.3

Viscosity: 63

Filtrate: 8.0

Chlorides: 2,000 ppm



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

Operation:

Well Complete

DATE

January

18

2023

DST #1

**Formation: Toronto
"A"**

**Test Interval: 3482 -
3529'**

Total Depth: 3529'

Time On: 06:00 01/18

Time Off: 15:30 01/18

Time On Bottom: 09:47 01/18

Time Off Bottom: 12:47 01/18

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Operation:

Well Complete

**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

January

19

2023

DST #2

Formation: Toronto
"C&D"

Test Interval: 3564 -
3574'

Total Depth: 3574'

Time On: 02:30 01/19

Time Off: 12:05 01/19

Time On Bottom: 07:15 01/19

Time Off Bottom: 09:30 01/19

Electronic Volume
Estimate:

10'

1st Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 1.1"

1st Close

Minutes: 45

Current Reading:

0" at 45 min

Max Reading: 0"

2nd Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Close

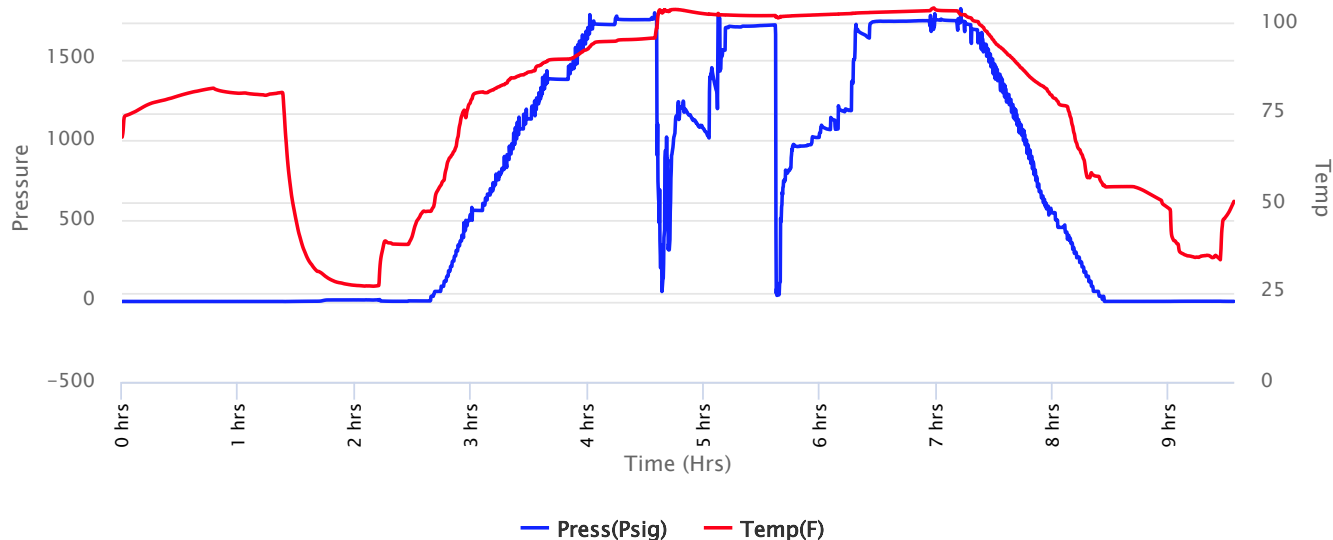
Minutes: 60

Current Reading:

0" at 60 min

Max Reading: 0"

Inside Recorder



**Operation:**

Well Complete

Company: Satchell Creek Petroleum, LLC Lease: Worcester "A" #1-21

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

January

19

2023

DST #2**Formation: Toronto
"C&D"****Test Interval: 3564 -
3574'****Total Depth: 3574'**

Time On: 02:30 01/19

Time Off: 12:05 01/19

Time On Bottom: 07:15 01/19

Time Off Bottom: 09:30 01/19

RecoveredFoot

30

BBLs

0.4269

Description of Fluid

M

Gas %

0

Oil %

0

Water %

0

Mud %

100

Total Recovered: 30 ft

Total Barrels Recovered: 0.4269

**Reversed Out
NO****Recovery at a glance**

Initial Hydrostatic Pressure	1746	PSI
Initial Flow	207 to 1060	PSI
Initial Closed in Pressure	1713	PSI
Final Flow Pressure	109 to 1083	PSI
Final Closed in Pressure	1688	PSI
Final Hydrostatic Pressure	1740	PSI
Temperature	103	°F
Pressure Change Initial Close / Final Close	1.5	%

BBL

0.25

0

Recovery

● Gas
0%● Oil
0%● Water
0%● Mud
100%

GIP cubic foot volume: 0

**Operation:**

Well Complete

**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

January

19

2023

DST #2**Formation: Toronto
"C&D"****Test Interval: 3564 -
3574'****Total Depth: 3574'**

Time On: 02:30 01/19

Time Off: 12:05 01/19

Time On Bottom: 07:15 01/19

Time Off Bottom: 09:30 01/19

BUCKET MEASUREMENT:*Diesel in Bucket*

1st Open: Weak, surface blow building to 3 ins. Died in 20 mins.

1st Close: No blow back.

2nd Open: Weak, surface blow. Died almost immediately.

2nd Close: No blow back.

REMARKS:

Tool slid 15 ft. to bottom. Plugging action on 2nd Open.

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



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SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

January

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2023

DST #2 Formation: Toronto Test Interval: 3564 - Total Depth: 3574'
"C&D"
3574'

Time On: 02:30 01/19

Time Off: 12:05 01/19

Time On Bottom: 07:15 01/19

Time Off Bottom: 09:30 01/19

Down Hole Makeup

Heads Up: 4.57 FT

Packer 1: 3558.5 FT

Drill Pipe: 3535 FT

Packer 2: 3564 FT

ID-3 1/2

Top Recorder: 3547.42 FT

Weight Pipe: FT

Bottom Recorder: 3566 FT

Collars: FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 34.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 10

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 9 FT

4 1/2-FH



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Well Complete

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State: Kansas
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Pool: Infield
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DST #2

**Formation: Toronto
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**Test Interval: 3564 -
3574'**

Total Depth: 3574'

Time On: 02:30 01/19

Time Off: 12:05 01/19

Time On Bottom: 07:15 01/19

Time Off Bottom: 09:30 01/19

Mud Properties

Mud Type: Chemical

Weight: 9.5

Viscosity: 47

Filtrate: 8.0

Chlorides: 3,000 ppm



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
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DST #2

**Formation: Toronto
"C&D"**

**Test Interval: 3564 -
3574'**

Total Depth: 3574'

Time On: 02:30 01/19

Time Off: 12:05 01/19

Time On Bottom: 07:15 01/19

Time Off Bottom: 09:30 01/19

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

**Operation:**

Well Complete

Company: Satchell Creek Petroleum, LLC Lease: Worcester "A" #1-21

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

January

20

2023

DST #3**Formation: Toronto
"D-F"****Test Interval: 3560 -
3602'****Total Depth: 3602'**

Time On: 11:44 01/20

Time Off: 19:37 01/20

Time On Bottom: 14:03 01/20

Time Off Bottom: 16:48 01/20

Electronic Volume
Estimate:

264'

1st Open

Minutes: 30

Current Reading:

14.8" at 30 min

Max Reading: 14.8"

1st Close

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open

Minutes: 45

Current Reading:

13.7" at 45 min

Max Reading: 9.2"

2nd Close

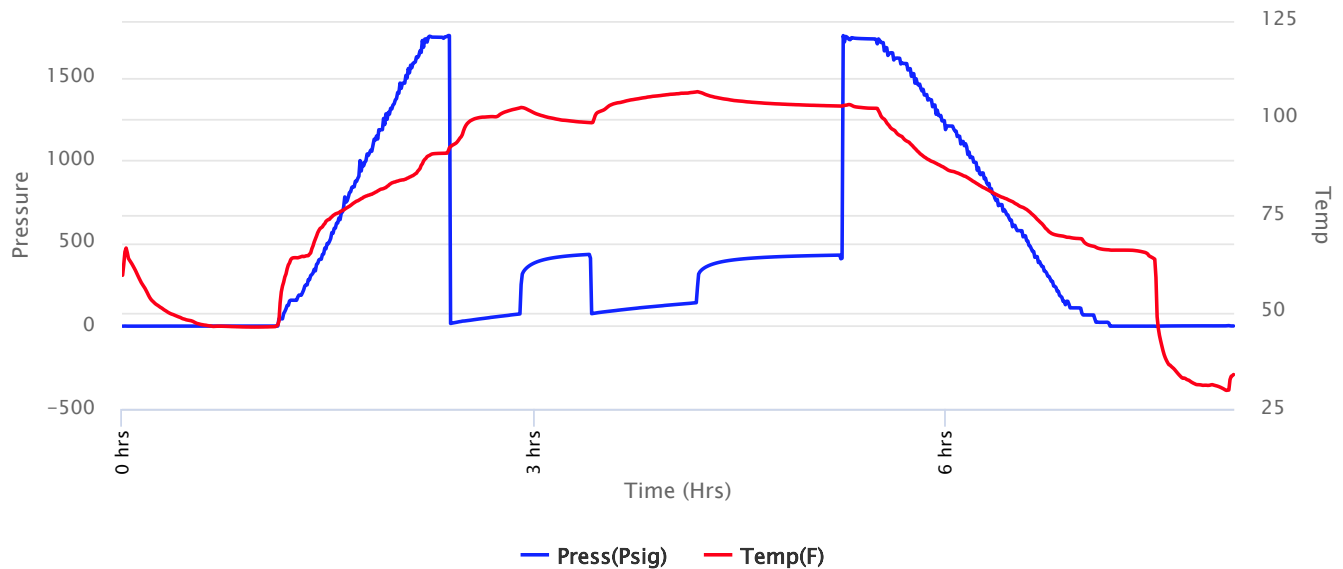
Minutes: 60

Current Reading:

0" at 60 min

Max Reading: 0"

Inside Recorder





**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

Operation:

Well Complete

DATE

January

20

2023

DST #3

**Formation: Toronto
"D-F"**

**Test Interval: 3560 -
3602'**

Total Depth: 3602'

Time On: 11:44 01/20

Time Off: 19:37 01/20

Time On Bottom: 14:03 01/20

Time Off Bottom: 16:48 01/20

Recovered

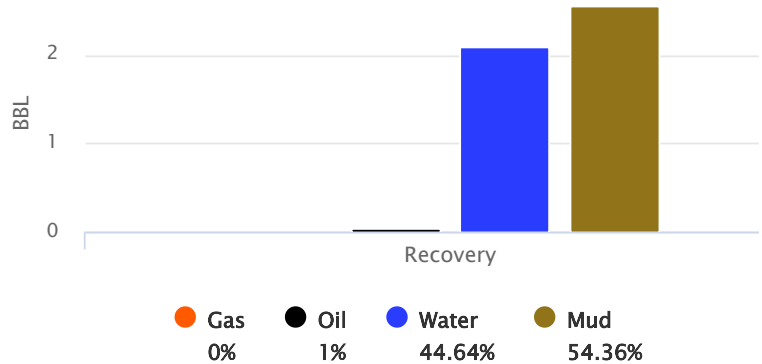
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
60	0.8538	SLOCWCM	0	1	25	74
270	3.8421	SLOCHWCM	0	1	49	50

Total Recovered: 330 ft

Total Barrels Recovered: 4.6959

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1748	PSI
Initial Flow	24 to 74	PSI
Initial Closed in Pressure	432	PSI
Final Flow Pressure	84 to 137	PSI
Final Closed in Pressure	429	PSI
Final Hydrostatic Pressure	1733	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	0.8	%

GIP cubic foot volume: 0

**Operation:**

Well Complete

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Lease: Worcester "A" #1-21**

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County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
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DST #3**Formation: Toronto
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BUCKET MEASUREMENT:

1st Open: Weak, surface blow building. BOB in 15 mins.

1st Close: No blow back.

2nd Open: Weak, surface blow building. BOB in 25 mins.

2nd Close: No blow back.

REMARKS:

Tool slid 15 ft.

Tool Sample: 0% Gas 1% Oil 90% Water 10% Mud

Measured RW: 2.2 @ 32 degrees °F

RW at Formation Temp: 0.77 @ 104 °F

Chlorides: 5,100 ppm



Operation:

Well Complete

**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
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DATE

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DST #3

**Formation: Toronto
"D-F"**

**Test Interval: 3560 -
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Down Hole Makeup

Heads Up: 9.57 FT

Packer 1: 3554.5 FT

Drill Pipe: 3536 FT
ID-3 1/2

Packer 2: 3560 FT

Weight Pipe: FT

Top Recorder: 3543.42 FT

Collars: FT
ID-2 1/4

Bottom Recorder: 3600 FT

Test Tool: 34.57 FT
*ID-3 1/2-FH
Jars
Safety Joint*

Well Bore Size: 7 7/8

Surface Choke: 1"

Bottom Choke: 5/8"

Total Anchor: 42

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 6 FT
4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 31 FT
ID-3 1/2

Change Over: .5 FT

Perforations: (below): 3 FT
4 1/2-FH



Operation:

Well Complete

**Company: Satchell Creek
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Lease: Worcester "A" #1-21**

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County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 3
Elevation: 2285 GL
Field Name: Alda South
Pool: Infield
Job Number: 631
API #: 15-065-24228

DATE

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DST #3

**Formation: Toronto
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Time On: 11:44 01/20

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Mud Properties

Mud Type: Chemical

Weight: 9.2

Viscosity: 45

Filtrate: 9.6

Chlorides: 3,000 ppm



Operation:

Well Complete

**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #1-21**

SEC: 21 TWN: 7S RNG: 22W
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Drilling Contractor: Feature Drilling
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**Formation: Toronto
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**Test Interval: 3560 -
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Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

Time	Orifice	PSI	MCF/D
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1013 240th AVENUE • HAYS, KANSAS 67601 • 785-621-2135

2962

Date 1-27-2023

CHARGE TO: Satchell Creek Petroleum LLC
ADDRESS _____
R/A SOURCE NO. _____ CUSTOMER ORDER NO. Verbal NW
LEASE AND WELL NO. Worchester A #1-21 FIELD Alda South
NEAREST TOWN Hill City COUNTY Graham STATE Kansas
SPOT LOCATION SW-SW-NW-NE SEC. 21 TWP. 7S RANGE 22W
ZERO 8' AGL CASING SIZE 5.5" @ TD WEIGHT 15.5 #
CUSTOMER'S T.D. 3960 LOG-TECH TD 3875 FLUID LEVEL Full / 32
ENGINEER J. Schneider OPERATOR D. Homewood

PERFORATING

Description	No. Shots	From	Depth To	Amount
Perforate 4" HEC 1x4 *SECOND Break Arbuckle Shot in acidic acid	4	3850	3851	1970.00

DEPTH AND OPERATIONS CHARGES

Description	From	Depth To	Total No. Pt	Price Per Pt	Amount
Sonic Cement Bond Log	0	3875	3875	MIN	1500.00
Logging Charge	3875	2300	1575	MIN	1500.00

MISCELLANEOUS

Description	Quantity	Amount
Service Charge Truck Rental #902		1500.00
T.J. 9:30 AM		
A.O.L. 9:00 AM		
S.J. 9:15 AM		
F.J. 1:50 PM T.W.T. ☒		

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

[Signature] 1/27/23
Customer Signature Date

Sub Total	6470.00
Tax	
Total	3221.00