

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 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](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	WORCESTER A 5-21
Doc ID	1721211

All Electric Logs Run

BHV
DIL
DUCP
MEL



# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY **Satchell Creek Petroleum, LLC**  
 LEASE **Worcester A #5-21**  
 FIELD **Wildcat**  
 LOCATION **566' FNL & 1477' FEL**  
 SEC **21** TWPSP **7S** RGE **22W**  
 COUNTY **Graham** STATE **Kansas**  
 CONTRACTOR **Feature Drilling Rig #3**  
 SPUD **3/10/23** COMP **3/18/23**  
 RTD **3950'** LTD **3830'**  
 MUD UP **3100'** TYPE MUD **Chemical**  
 SAMPLES SAVED FROM **3100'** TO **RTD**  
 DRILLING TIME KEPT FROM **3100'** TO **RTD**  
 SAMPLES EXAMINED FROM **3100'** TO **RTD**  
 GEOLOGICAL SUPERVISION FROM **3100'**  
 REFERENCE WELL **CND/DIL. Midwest**

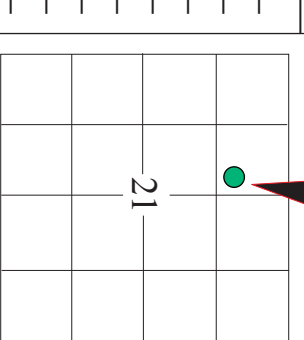
ELEVATIONS  
 KB **2264'**  
 DF \_\_\_\_\_  
 GL **2257'**  
 Measurements Are All From Kelly Bushing

CASING  
 CONDUCTOR \_\_\_\_\_  
 SURFACE **8-5/8"** at **262'**  
 PRODUCTION **5.5"**

ELECTRICAL SURVEYS  
 Midwest

CND/DIL. Midwest  
 MIC/SON

Formation	Sample Tops	E-log Tops	Struct Pos.
Heebner Sh.		3460 (-1196)	
Lansing		3502 (-1238)	
Stark Shale		3670 (-1406)	
BKC		3698 (-1434)	

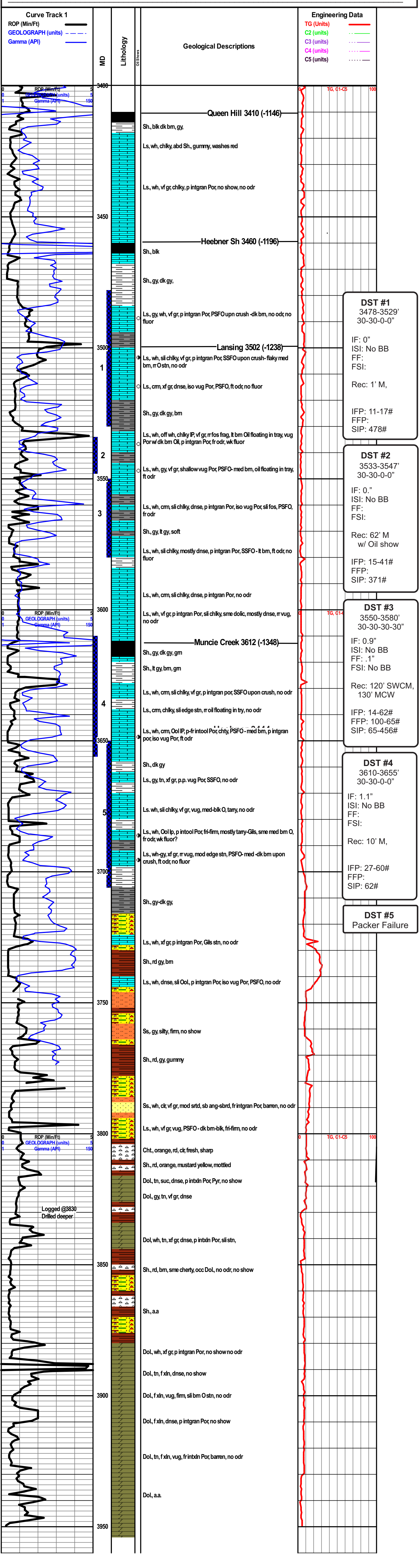


#### REMARKS

The Worcester #5-21 will be further evaluated through 5.5" casing. The well was drilled to 3830', logged, and deepened to 3950'.

Respectfully Submitted,

Sean P. Deenihan



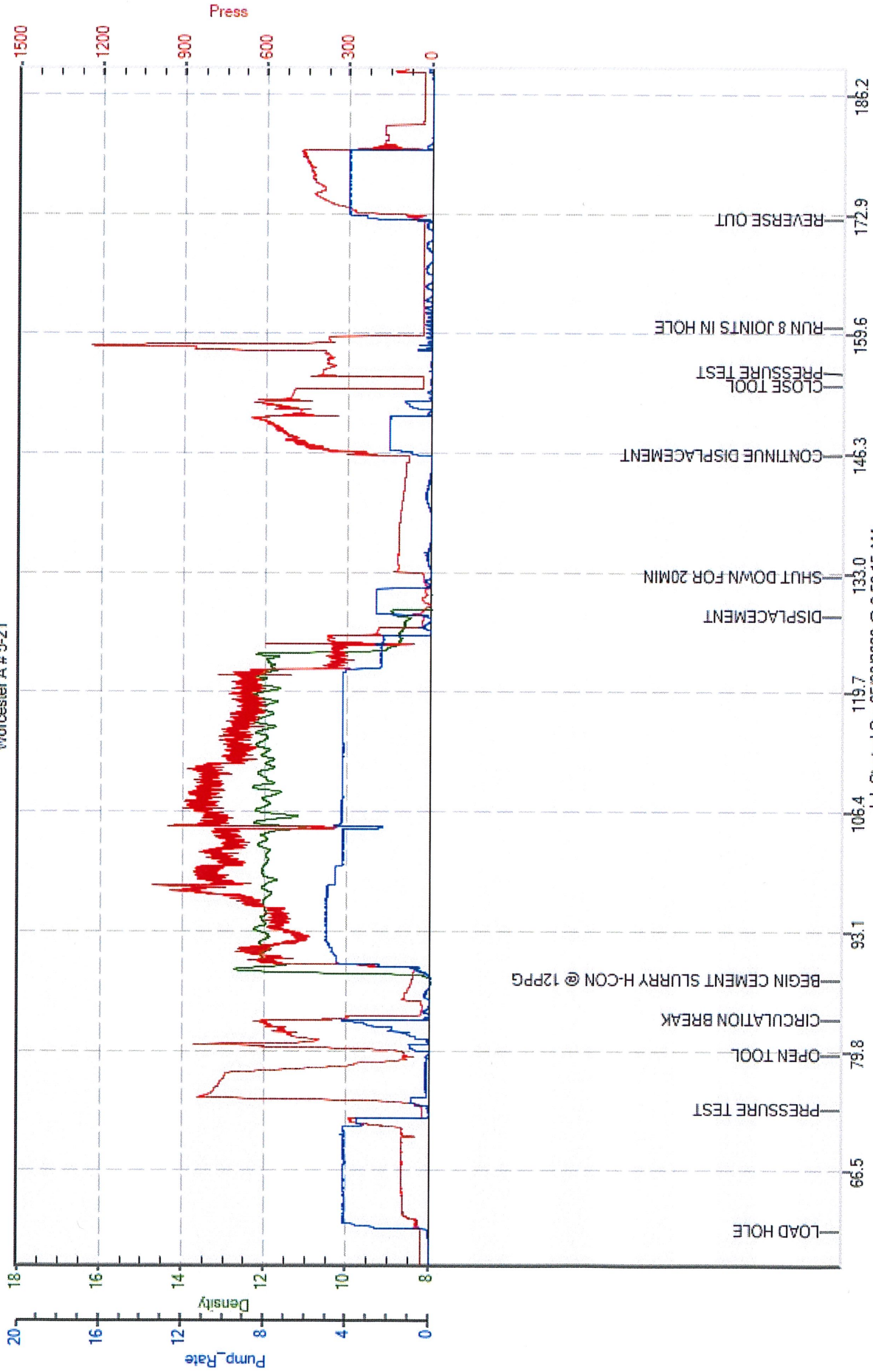








Satchell Creek  
Worcester A # 5-21







**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

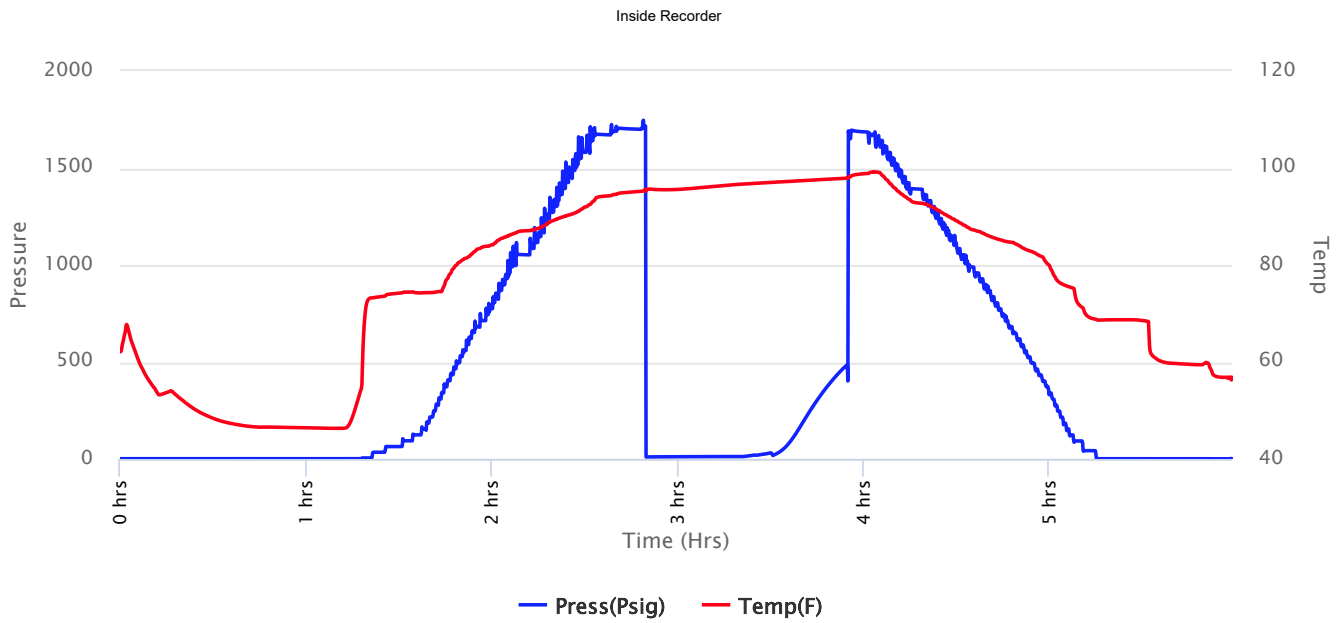
SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**14**  
2023

**DST #1**      **Formation: Lans "A&B"**      **Test Interval: 3478 - 3529'**      **Total Depth: 3529'**  
Time On: 23:36 03/14      Time Off: 05:25 03/15  
Time On Bottom: 02:22 03/15      Time Off Bottom: 03:22 03/15

Electronic Volume Estimate: 0'	<u>1st Open</u> Minutes: 30 Current Reading: 0" at 30 min Max Reading: 0"	<u>1st Close</u> Minutes: 30 Current Reading: 0" at 30 min Max Reading: 0"	<u>2nd Open</u> N/A	<u>2nd Close</u> N/A
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**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**14**  
2023

**DST #1**      **Formation: Lans "A&B"**      **Test Interval: 3478 - 3529'**      **Total Depth: 3529'**  
Time On: 23:36 03/14      Time Off: 05:25 03/15  
Time On Bottom: 02:22 03/15      Time Off Bottom: 03:22 03/15

Recovered

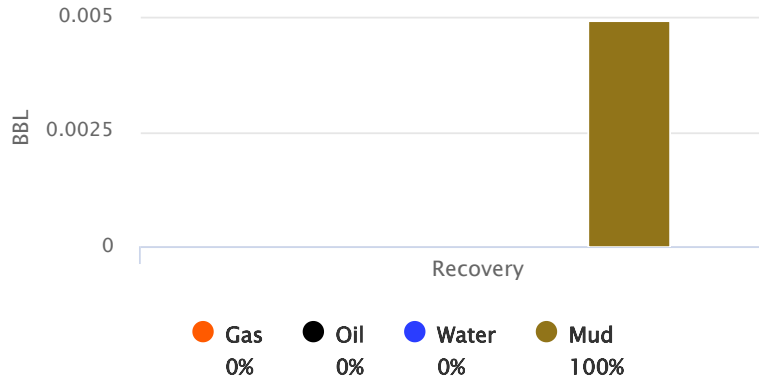
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1	0.00492	M	0	0	0	100

Total Recovered: 1 ft  
Total Barrels Recovered: 0.00492

**Reversed Out**  
NO

Initial Hydrostatic Pressure	1717	PSI
Initial Flow	11 to 17	PSI
<b>Initial Closed in Pressure</b>	<b>478</b>	<b>PSI</b>
Final Flow Pressure	0	PSI
<b>Final Closed in Pressure</b>	<b>0</b>	<b>PSI</b>
Final Hydrostatic Pressure	1662	PSI
Temperature	98	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**



GIP cubic foot volume: 0



**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**14**  
2023

<b>DST #1</b>	<b>Formation: Lans "A&amp;B"</b>	<b>Test Interval: 3478 - 3529'</b>	<b>Total Depth: 3529'</b>
	Time On: 23:36 03/14	Time Off: 05:25 03/15	
	Time On Bottom: 02:22 03/15	Time Off Bottom: 03:22 03/15	

**BUCKET MEASUREMENT:**

1st Open: Weak, surface blow. Died in 6 1/2 mins.

1st Close: No blow back.

2nd Open: N/A

2nd Close: N/A

**REMARKS:**

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



**Company: Satchell Creek  
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Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**14**  
2023

**DST #1**      **Formation: Lans "A&B"**      **Test Interval: 3478 - 3529'**      **Total Depth: 3529'**  
Time On: 23:36 03/14      Time Off: 05:25 03/15  
Time On Bottom: 02:22 03/15      Time Off Bottom: 03:22 03/15

**Down Hole Makeup**

<b>Heads Up:</b> 17.57 FT	<b>Packer 1:</b> 3472.5 FT
<b>Drill Pipe:</b> 3281 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3478 FT
<b>Weight Pipe:</b> FT	<b>Top Recorder:</b> 3461.42 FT
<b>Collars:</b> 181 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 1 FT
<b>Test Tool:</b> 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 51	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 15 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 31 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 3 FT <i>4 1/2-FH</i>	









**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**15**  
2023

**DST #2    Formation: Lans "C"    Test Interval: 3533 - 3547'    Total Depth: 3547'**

Time On: 11:16 03/15    Time Off: 17:07 03/15  
Time On Bottom: 13:42 03/15    Time Off Bottom: 14:42 03/15

Electronic Volume  
Estimate:  
0'

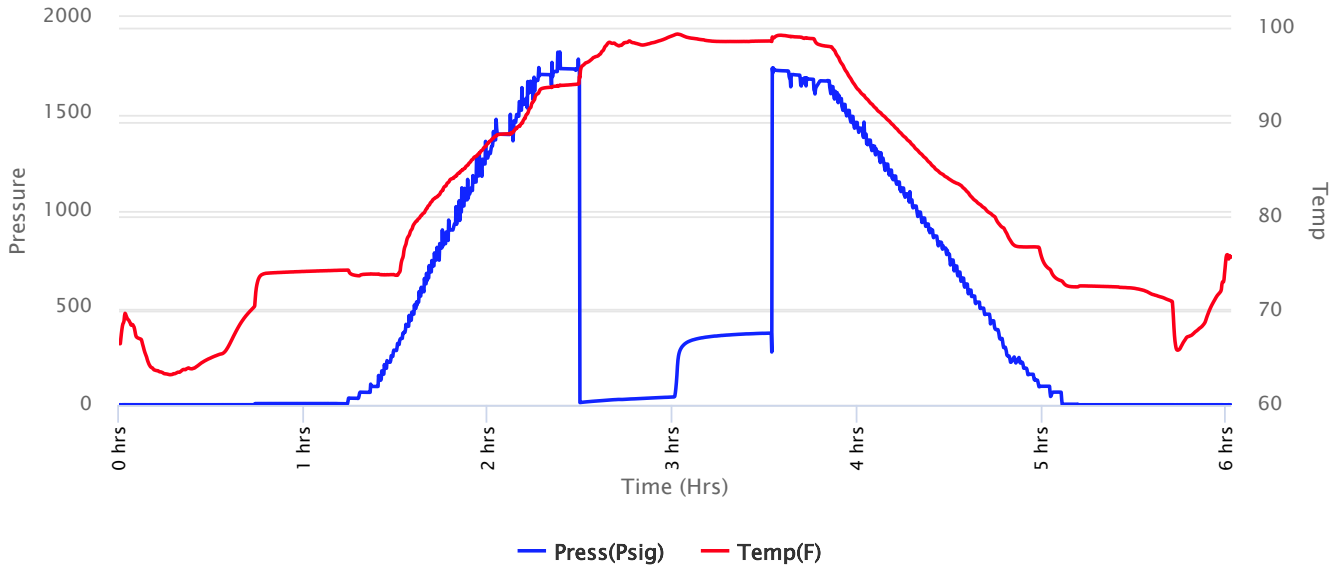
1st Open  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

1st Close  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

2nd Open  
N/A

2nd Close  
N/A

Inside Recorder





**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**15**  
2023

**DST #2 Formation: Lans "C" Test Interval: 3533 - Total Depth: 3547'**  
**3547'**

Time On: 11:16 03/15 Time Off: 17:07 03/15  
Time On Bottom: 13:42 03/15 Time Off Bottom: 14:42 03/15

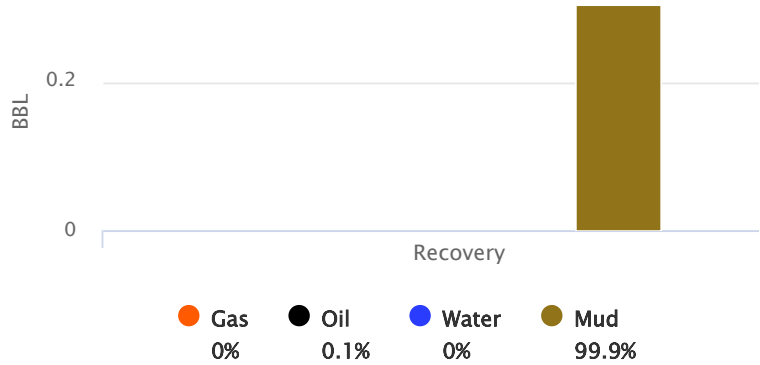
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
62	0.30504	M (trace oil)	0	.1	0	99.9

Total Recovered: 62 ft  
Total Barrels Recovered: 0.30504

**Reversed Out**  
NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1732	PSI
Initial Flow	15 to 41	PSI
<b>Initial Closed in Pressure</b>	<b>371</b>	<b>PSI</b>
Final Flow Pressure	0	PSI
<b>Final Closed in Pressure</b>	<b>0</b>	<b>PSI</b>
Final Hydrostatic Pressure	1726	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	0.0	%

GIP cubic foot volume: 0



**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**15**  
2023

**DST #2      Formation: Lans "C"      Test Interval: 3533 -      Total Depth: 3547'**  
**3547'**  
Time On: 11:16 03/15      Time Off: 17:07 03/15  
Time On Bottom: 13:42 03/15      Time Off Bottom: 14:42 03/15

**BUCKET MEASUREMENT:**

1st Open: Weak, surface blow. Died in 5 mins.

1st Close: No blow back.

2nd Open: N/A

2nd Close: N/A

**REMARKS:**

Tool Sample: 0% Gas .1% Oil 0% Water 99.9% Mud



**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**15**  
2023

**DST #2      Formation: Lans "C"      Test Interval: 3533 -      Total Depth: 3547'**  
**3547'**  
Time On: 11:16 03/15      Time Off: 17:07 03/15  
Time On Bottom: 13:42 03/15      Time Off Bottom: 14:42 03/15

**Down Hole Makeup**

<b>Heads Up:</b> 9.57 FT	<b>Packer 1:</b> 3527.5 FT
<b>Drill Pipe:</b> 3328 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3533 FT
<b>Weight Pipe:</b> FT	<b>Top Recorder:</b> 3516.42 FT
<b>Collars:</b> 181 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 1 FT
<b>Test Tool:</b> 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 14	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 10 FT <i>4 1/2-FH</i>	



**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**15**  
2023

**DST #2      Formation: Lans "C"      Test Interval: 3533 -      Total Depth: 3547'**  
**3547'**

Time On: 11:16 03/15      Time Off: 17:07 03/15  
Time On Bottom: 13:42 03/15      Time Off Bottom: 14:42 03/15

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.3      **Viscosity:** 44      **Filtrate:** 7.6      **Chlorides:** 4,000 ppm



**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**15**  
2023

**DST #2      Formation: Lans "C"      Test Interval: 3533 -      Total Depth: 3547'**  
**3547'**  
Time On: 11:16 03/15      Time Off: 17:07 03/15  
Time On Bottom: 13:42 03/15      Time Off Bottom: 14:42 03/15

**Gas Volume Report**

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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# Company: Satchell Creek Petroleum, LLC

## Lease: Worcester "A" #5-21

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**16**  
2023

**DST #3**      **Formation: Lans**      **Test Interval: 3550 - 3580'**      **Total Depth: 3580'**  
Time On: 01:38 03/16      Time Off: 07:39 03/16  
Time On Bottom: 03:25 03/16      Time Off Bottom: 05:25 03/16

Electronic Volume Estimate:  
45'

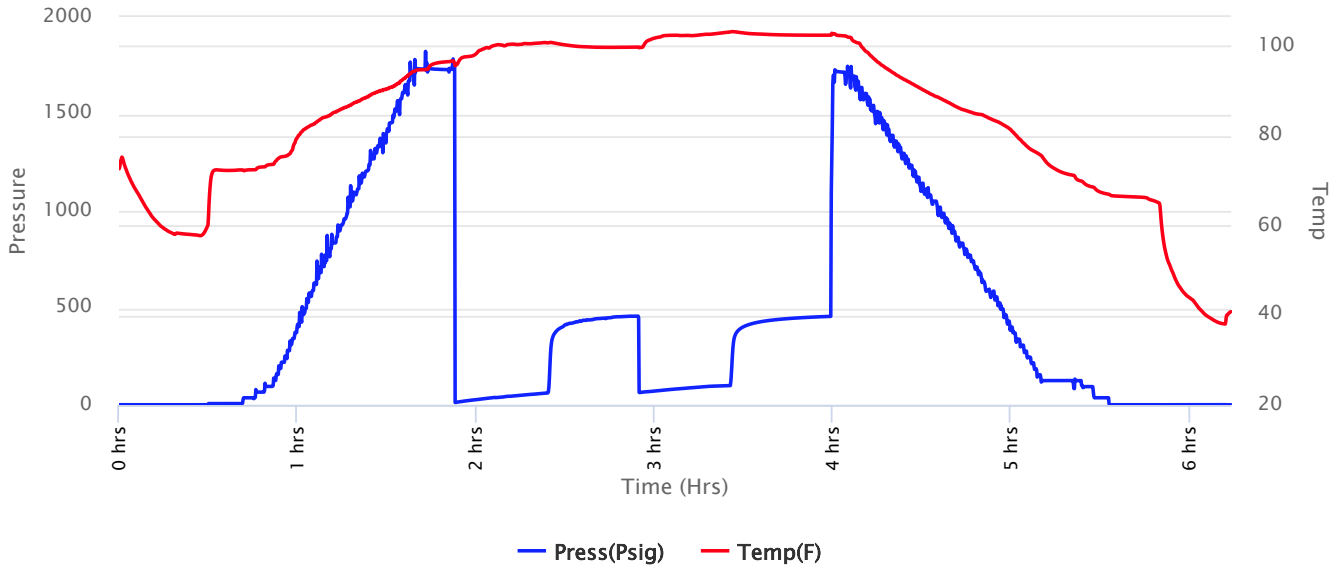
1st Open  
Minutes: 30  
Current Reading: .9" at 30 min  
Max Reading: .9"

1st Close  
Minutes: 30  
Current Reading: 0" at 30 min  
Max Reading: 0"

2nd Open  
Minutes: 30  
Current Reading: .10" at 30 min  
Max Reading: .8"

2nd Close  
Minutes: 30  
Current Reading: 0" at 30 min  
Max Reading: 0"

Inside Recorder





**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**16**  
2023

**DST #3**      **Formation: Lans**      **Test Interval: 3550 - 3580'**      **Total Depth: 3580'**  
Time On: 01:38 03/16      Time Off: 07:39 03/16  
Time On Bottom: 03:25 03/16      Time Off Bottom: 05:25 03/16

Recovered

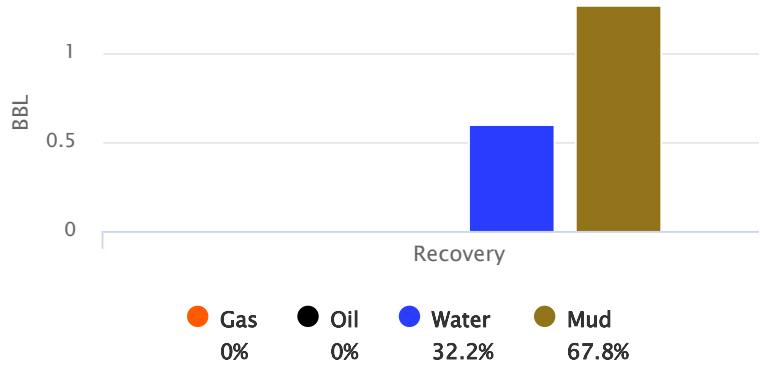
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
60	0.8538	SLWCM	0	0	10	90
60 foot	0.37899	SLWCM	0	0	10	90
130	0.6396	MCW	0	0	75	25

Total Recovered: 250 ft  
Total Barrels Recovered: 1.87239

Reversed Out  
NO

Initial Hydrostatic Pressure	1784	PSI
Initial Flow	14 to 62	PSI
<b>Initial Closed in Pressure</b>	<b>456</b>	<b>PSI</b>
Final Flow Pressure	67 to 99	PSI
<b>Final Closed in Pressure</b>	<b>456</b>	<b>PSI</b>
Final Hydrostatic Pressure	1700	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**



GIP cubic foot volume: 0





**Company: Satchell Creek  
Petroleum, LLC  
Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**16**  
2023

**DST #3      Formation: Lans      Test Interval: 3550 -      Total Depth: 3580'**  
**3580'**  
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**BUCKET MEASUREMENT:**

1st Open: Weak, surface blow building to .9 in.

1st Close: No blow back.

2nd Open: Weak, surface blow building to .10 in.

2nd Close: No blow back.

**REMARKS:**

Tool Sample: 0% Gas 0% Oil 80% Water 20% Mud

Measured RW: 2.9 @ 34 degrees °F

RW at Formation Temp: 1.067 @ 104 °F

Chlorides: 4,700 ppm



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Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

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**DST #3      Formation: Lans      Test Interval: 3550 -      Total Depth: 3580'**  
**3580'**  
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**Down Hole Makeup**

<b>Heads Up:</b> 25.57 FT	<b>Packer 1:</b> 3544.5 FT
<b>Drill Pipe:</b> 3361 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3550 FT
<b>Weight Pipe:</b> FT	<b>Top Recorder:</b> 3533.42 FT
<b>Collars:</b> 181 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 1 FT
<b>Test Tool:</b> 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 30	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 29 FT <i>4 1/2-FH</i>	



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Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
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**DST #3**      **Formation: Lans**      **Test Interval: 3550 - 3580'**      **Total Depth: 3580'**  
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Time On Bottom: 03:25 03/16      Time Off Bottom: 05:25 03/16

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.3      **Viscosity:** 44      **Filtrate:** 7.6      **Chlorides:** 4,000 ppm



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State: Kansas  
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LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
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**DST #3      Formation: Lans      Test Interval: 3550 -      Total Depth: 3580'**  
**3580'**  
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Time On Bottom: 03:25 03/16      Time Off Bottom: 05:25 03/16

**Gas Volume Report**

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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**Company: Satchell Creek  
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State: Kansas  
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LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
March  
**16**  
2023

**DST #4**      **Formation: Lans "H-  
J"**      **Test Interval: 3610 -  
3655'**      **Total Depth: 3655'**  
  
Time On: 20:27 03/16      Time Off: 02:34 03/17  
Time On Bottom: 23:33 03/16      Time Off Bottom: 00:33 03/17

Electronic Volume  
Estimate:  
29'

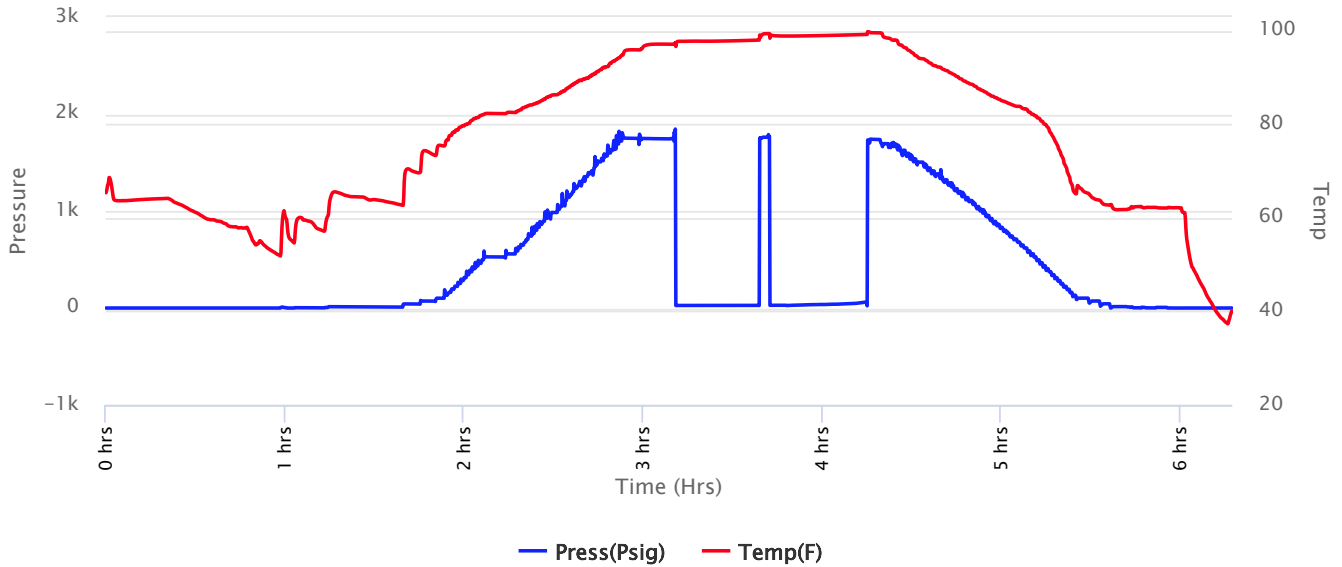
1st Open  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 1.1"

1st Close  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

2nd Open  
N/A

2nd Close  
N/A

Inside Recorder





**Company: Satchell Creek  
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Lease: Worcester "A" #5-21**

SEC: 21 TWN: 7S RNG: 22W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: Feature Drilling  
LLC - Rig 1  
Elevation: 2257 GL  
Field Name: Alda South  
Pool: Infield  
Job Number: 652  
API #: 15-065-24234

**Operation:**  
Well Complete

**DATE**  
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**16**  
2023

**DST #4**      **Formation: Lans "H-  
J"**      **Test Interval: 3610 -  
3655'**      **Total Depth: 3655'**  
  
Time On: 20:27 03/16      Time Off: 02:34 03/17  
Time On Bottom: 23:33 03/16      Time Off Bottom: 00:33 03/17

Recovered

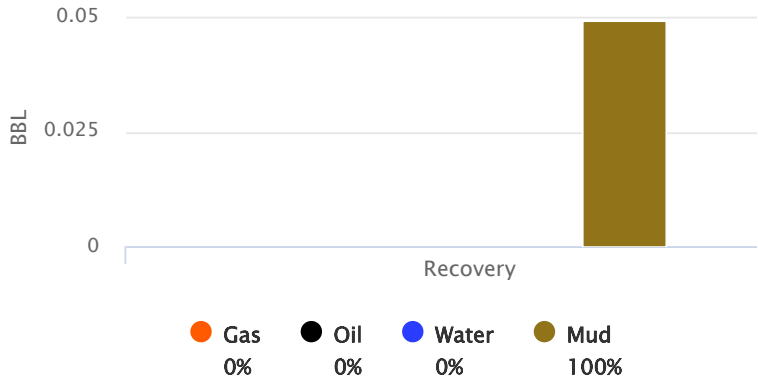
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.0492	M	0	0	0	100

Total Recovered: 10 ft  
Total Barrels Recovered: 0.0492

**Reversed Out**  
NO

Initial Hydrostatic Pressure	1845	PSI
Initial Flow	27 to 60	PSI
<b>Initial Closed in Pressure</b>	<b>62</b>	<b>PSI</b>
Final Flow Pressure	0	PSI
<b>Final Closed in Pressure</b>	<b>0</b>	<b>PSI</b>
Final Hydrostatic Pressure	1733	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**



GIP cubic foot volume: 0





















