

Confidentiality Requested:

Yes No

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

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	WORCESTER A5-28
Doc ID	1729712

All Electric Logs Run

BHV
DIL
DUCP
MEL

Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	WORCESTER A5-28
Doc ID	1729712

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	3520	3524			
4	3534	3536			
4	3558	3561			500 gal 20% MCA
4	3584	3588			500 gal 20% MCA
4	3604	3608			500 gal 20% MCA
4	3716	3719			500 gal 20% MCA
4	3806	3816			500 gal 15% INS
4	3876	3900			500 gal 15% INS

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY **Satchell Creek Petroleum, LLC**
 LEASE **Worcester A #5-28**

ELEVATIONS
 KB 2287'

FIELD **Wildcat**
 LOCATION **1793' ENL & 335' FWL**
 SEC **22** TWP **7S** RGE **22W**
 COUNTY **Graham** STATE **Kansas**
 CONTRACTOR **Feature Drilling Rig #1**

DF _____
 GL 2280'
 Measurements Are All From Kelly Bushing

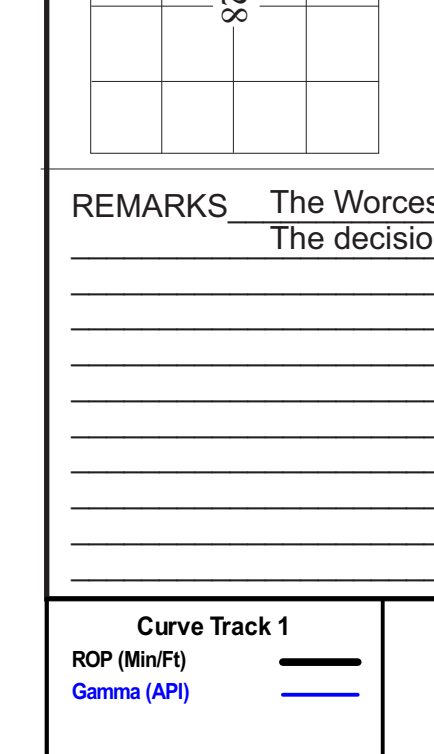
SPUD **4/17/23** COMP **4/25/23**
 RTD **3970'** LTD **3969'**
 MUD UP **3100'** TYPE MUD **Chemical**

CASING
 CONDUCTOR SURFACE **8-5/8"** at 264'
 PRODUCTION **5.5"** @ 3968'

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 M/C/SON**

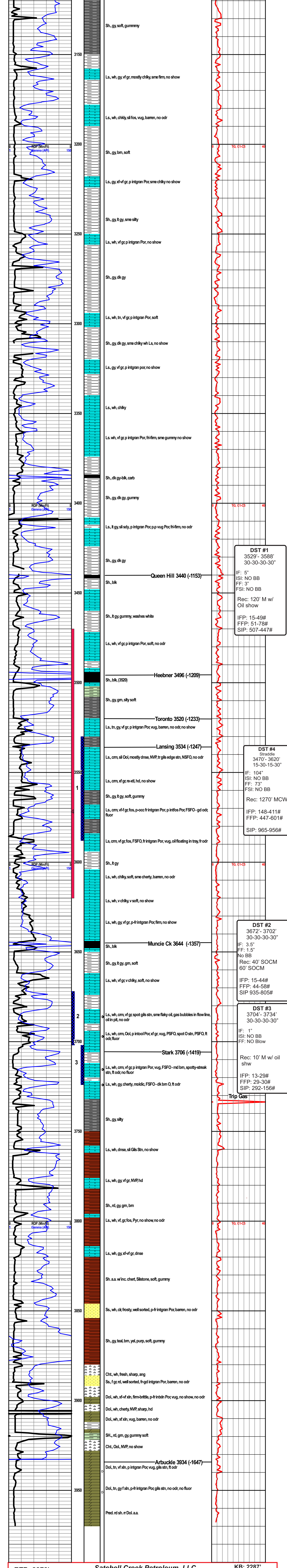
Formation	Sample Tops	E-log Tops	Struct Facs
Heebner Sh.		3496 (-1209)	
Lansing		3534 (-1247)	
Stark Shale		3706 (-1419)	
Arbuckle		3934 (-1647)	



REMARKS The Worcester A #5-28 had several good shows of oil in the Lansing.
The decision was made to complete this well for commercial oil production.

Respectfully Submitted,

Sean P. Deenihan





CEMENT TREATMENT REPORT

Customer: Swatchell Creek	Well: Worcester A-5-28	Ticket: wp 4213
City, State: Hill City Kansas	County: Graham.Kansas	Date: 4/26/2023
Field Rep:	S-T-R: 28-7s-22w	Service: Longstring

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	ft
Casing Size:	5 1/2 in
Casing Depth:	3968 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	96.5 bbls

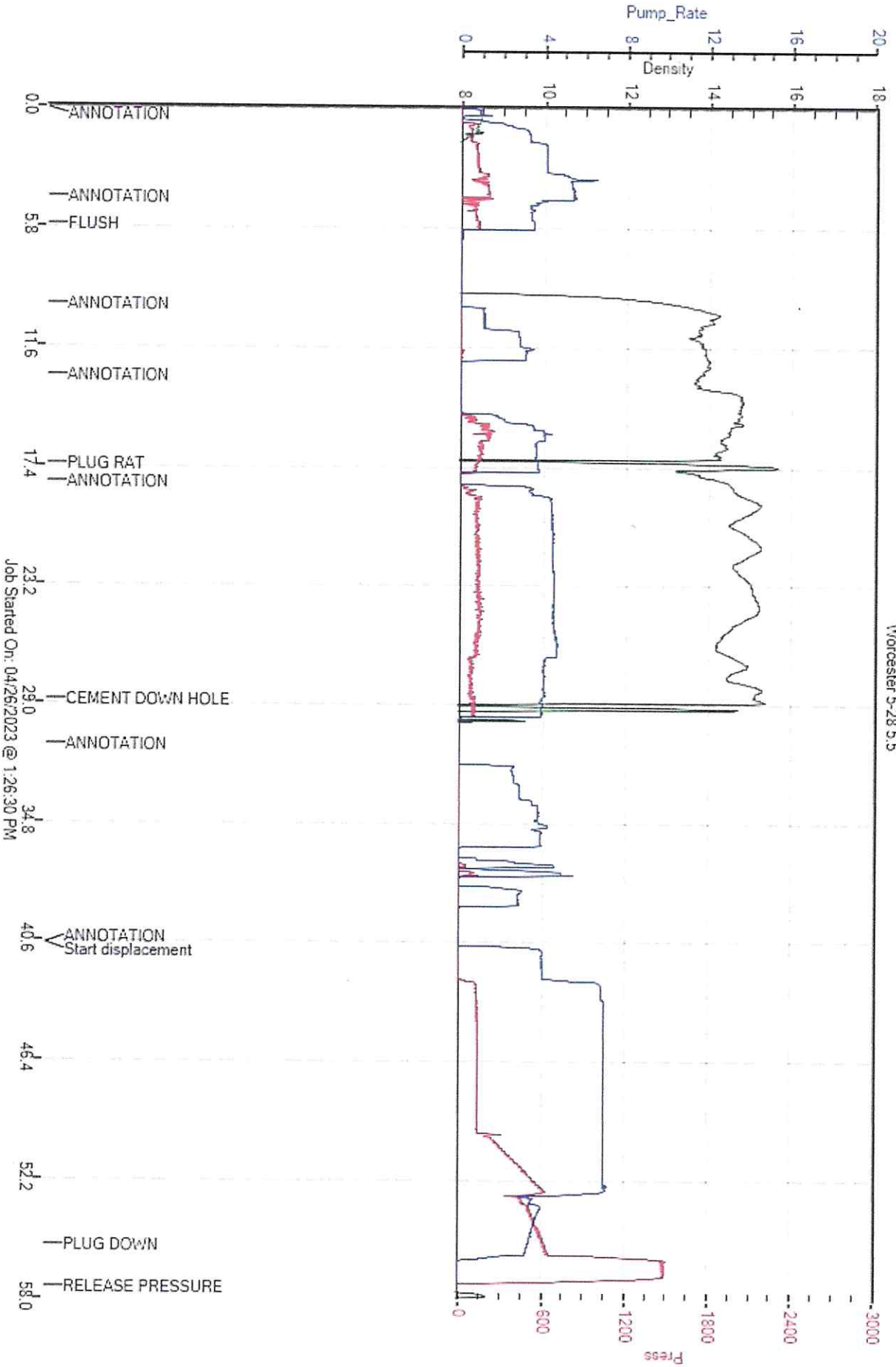
Calculated Slurry - Lead	
Blend:	H-LD
Weight:	14.8 ppg
Water / Sx:	6.5 gal / sx
Yield:	1.51 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	59.1 bbls
Total Sacks:	220 sx

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
12:30 PM			-	-	on location job and safety
12:40 PM					spot trucks and rig up
					turbolizers
					baskets
					port collar
					casing on bottom on arrival
1:35 PM					start flush
	5.0	200.0	12.0	12.0	mud flush
	5.0	200.0	5.0	17.0	fresh water
1:43 PM	2.0	-	7.5	24.5	plug rat hole
1:50 PM					start cement down hole
	4.5	150.0			mix 25 sacks scavenger
	4.5	150.0			mix 220 sacks cement
2:05 PM					cement in
					wash pump and lines and releae the plug
2:05 PM					start displacement
	7.0	150.0	20.0		
	7.0	159.0	40.0		
	7.0	150.0	60.0		
	6.0	350.0	70.0		
	6.0	620.0	80.0		
2:30 PM	4.0	700.0	96.5		plug down
					took pressure from 700 to 1500 psi,,,,,,,,,release pressure ,,,,,float and plug held

CREW		UNIT	SUMMARY		
Cementer:	M Brungardt	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	R Osborn	176/522	5.3 bpm	257 psi	391 bbls
Bulk #1:	K Julian	182/524			
Bulk #2:					

Satchell Creek
Worcester-5-28-5.5





CEMENT TREATMENT REPORT

Customer: Satchell Creek	Well: Worcester A #5-28	Ticket: WP 4422
City, State: Hill City KS	County: Graham KS	Date: 6/20/2023
Field Rep: Cole	S-T-R: 28-7S-22W	Service: Port Collar

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	in	Blend:	H-Con	Blend:	
Hole Depth:	ft	Weight:	12.0 ppg	Weight:	ppg
Casing Size:	5 1/2 in	Water / Sx:	15.5 gal / sx	Water / Sx:	gal / sx
Casing Depth:	ft	Yield:	2.56 ft ³ / sx	Yield:	ft ³ / sx
Tubing / Liner:	2 3/8 in	Annular Bbls / Ft.:	0.0309 bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	1902 ft	Depth:	1902 ft	Depth:	ft
Tool / Packer:	Port Collar	Annular Volume:	58.8 bbls	Annular Volume:	0 bbls
Tool Depth:	190 ft	Excess:		Excess:	
Displacement:	bbls	Total Slurry:	58.8 bbls	Total Slurry:	0.0 bbls
		Total Sacks:	129 sx	Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
10:25 AM			-	-	Arrived on location
10:35 AM				-	Safety meeting
10:45 AM				-	Rigged up
11:57 AM	3.0	100.0	30.0	30.0	Loaded hole with salt water out of swab tank
12:11 PM	3.0	800.0	19.5	49.5	Continued loading hole with fresh water, and pressure tested tool to 800 psi
12:27 PM		300.0		49.5	Released pressure to 300 psi and opened tool
12:37 PM	3.0	750.0	2.0	51.5	Pumped 2 bbls fresh water to check if tool was open
12:39 PM	3.5	900.0	80.0	131.5	Switched to mud and checked for circulation, no blow
12:58 PM	3.0	900.0	8.0	139.5	Pumped 8 bbls fresh water behind mud
1:53 PM	3.7	1,150.0	80.0	219.5	Pumped 80 bbls mud @ 1150 psi
2:09 PM	3.7	1,100.0	8.0	227.5	Pumped 8 bbls fresh water behind mud, no circulation
3:05 PM	4.0	700.0	27.0		Pumped 27 bbls fresh water
3:11 PM	4.0	800.0	5.0		Pumped 5 bbls fresh water behind
3:13 PM	4.5	1,250.0	80.0		Swithed to mud lost circulation
3:28 PM	4.0	1,250.0	10.0		Pumped 10 bbls fresh Water behind
4:00 PM	3.0	750.0	2.0		Pumped 2 bbls fresh water ahead
4:02 PM	4.5	1,250.0	102.5		Mixed 225 sacks H-Con cement @ 12.0 ppg mud scale verified
4:24 PM					Shut down waited for 30 minutes
4:46 PM	4.5	1,250.0	112.2		Mixed 225 sacks H-Con cement @ 11.6
5:11 PM	3.5	1,000.0	6.7		Begin displacement
5:21 PM	2.0	1,000.0	0.5		Closed tool and pressured tested to 1100 psi, pressured held
5:22 PM	4.5		10.0		Released pressure, ran 7 joints in hole, cleared pump and lines
5:31 PM	5.0	600.0	55.0		Begin reverseing out
5:44 PM					Washed up and rigged down
6:04 PM					Left location

CREW		UNIT	SUMMARY		
Cementer:	John	947	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	208	3.7 bpm	881 psi	638 bbls
Bulk #1:	Lupe	528-250			
Bulk #2:					



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #1 Formation: Lans "B" Test Interval: 3529 - 3588' Total Depth: 3588'

Time On: 03:19 04/23 Time Off: 10:05 04/23
Time On Bottom: 06:09 04/23 Time Off Bottom: 08:09 04/23

Electronic Volume
Estimate:
193'

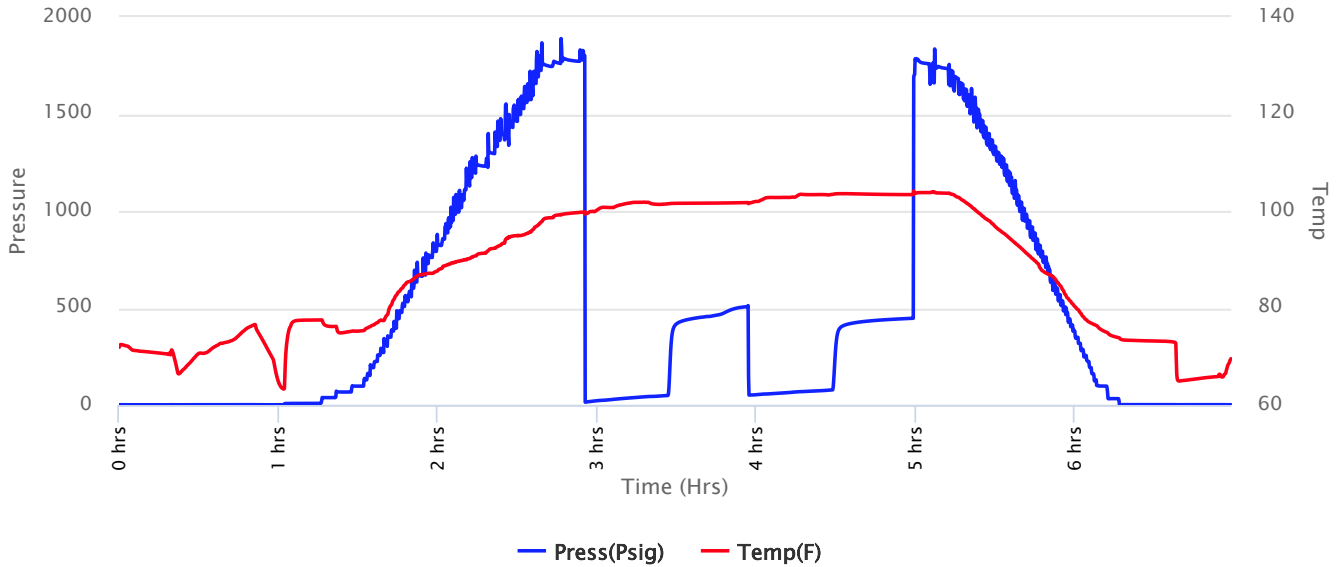
1st Open
Minutes: 30
Current Reading:
5.1" at 30 min
Max Reading: 5.1"

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

2nd Open
Minutes: 30
Current Reading:
3.2" at 30 min
Max Reading: 3.2"

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

Inside Recorder





**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #1 Formation: Lans "B" Test Interval: 3529 - Total Depth: 3588'
3588'

Time On: 03:19 04/23 Time Off: 10:05 04/23
Time On Bottom: 06:09 04/23 Time Off Bottom: 08:09 04/23

Recovered

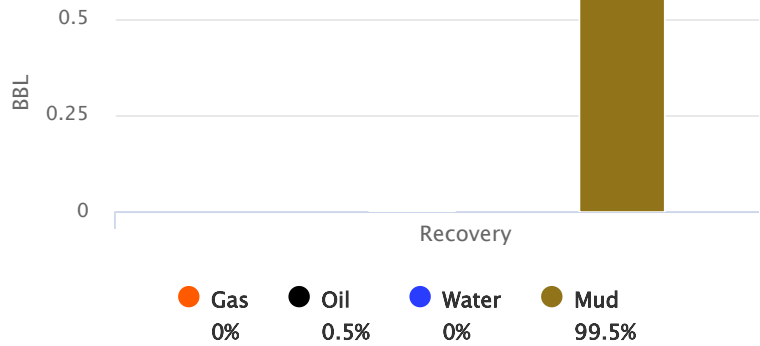
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
120	0.5904	M (trace oil)	0	.5	0	99.5

Total Recovered: 120 ft
Total Barrels Recovered: 0.5904

Reversed Out
NO

Initial Hydrostatic Pressure	1801	PSI
Initial Flow	15 to 49	PSI
Initial Closed in Pressure	507	PSI
Final Flow Pressure	51 to 78	PSI
Final Closed in Pressure	447	PSI
Final Hydrostatic Pressure	1784	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	11.8	%

Recovery at a glance



GIP cubic foot volume: 0



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #1 Formation: Lans "B" Test Interval: 3529 - Total Depth: 3588'
3588'
Time On: 03:19 04/23 Time Off: 10:05 04/23
Time On Bottom: 06:09 04/23 Time Off Bottom: 08:09 04/23

BUCKET MEASUREMENT:

1st Open: Surface blow building to 4 1/2 ins.
1st Close: No blow back.
2nd Open: Surface blow building to 3.2 ins.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas .5% Oil 0% Water 99.5% Mud



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #1 Formation: Lans "B" Test Interval: 3529 - Total Depth: 3588'
3588'
Time On: 03:19 04/23 Time Off: 10:05 04/23
Time On Bottom: 06:09 04/23 Time Off Bottom: 08:09 04/23

Down Hole Makeup

Heads Up: 30.55 FT	Packer 1: 3523.5 FT
Drill Pipe: 3345.61 FT <i>ID-3 1/2</i>	Packer 2: 3529 FT
Weight Pipe: FT	Top Recorder: 3512.42 FT
Collars: 180.37 FT <i>ID-2 1/4</i>	Bottom Recorder: 3566 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 59	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 23 FT <i>4 1/2-FH</i>	



**Company: Satchell Creek
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SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
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Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #1 Formation: Lans "B" Test Interval: 3529 - Total Depth: 3588'
3588'
Time On: 03:19 04/23 Time Off: 10:05 04/23
Time On Bottom: 06:09 04/23 Time Off Bottom: 08:09 04/23

Gas Volume Report

1st Open

2nd Open

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



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #2 Formation: Lans "J" Test Interval: 3672 - 3702' Total Depth: 3702'

Time On: 22:07 04/23 Time Off: 04:30 04/24
Time On Bottom: 00:17 04/24 Time Off Bottom: 02:17 04/24

Electronic Volume
Estimate:
142'

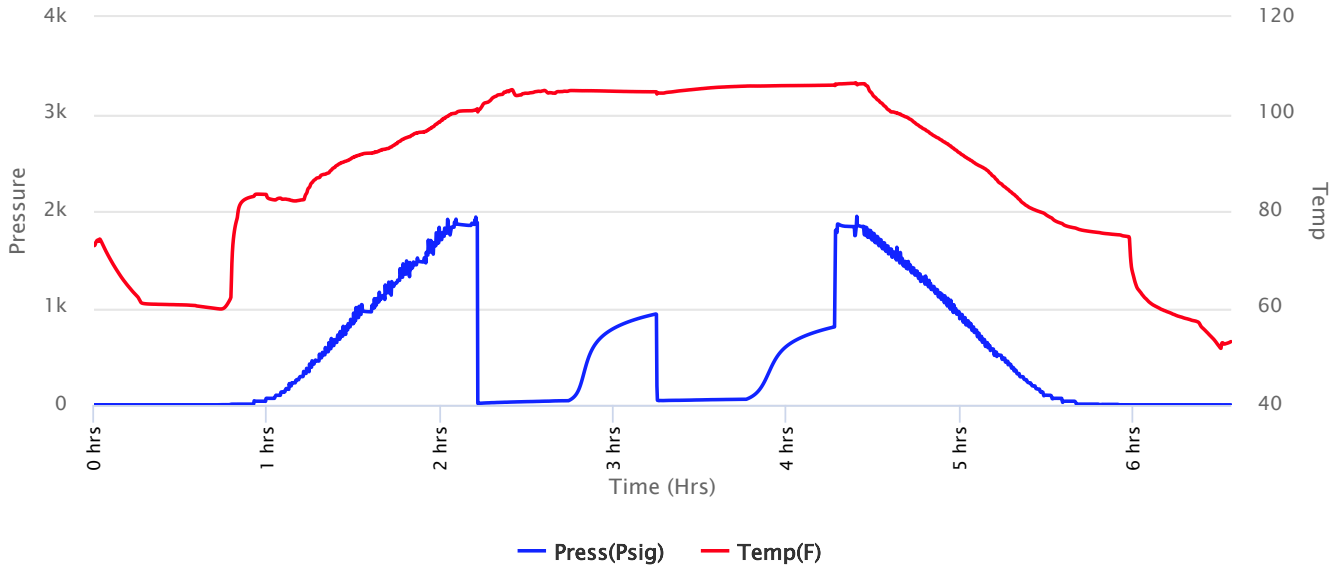
1st Open
Minutes: 30
Current Reading:
3.6" at 30 min
Max Reading: 3.6"

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

2nd Open
Minutes: 30
Current Reading:
1.6" at 30 min
Max Reading: 1.6"

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

Inside Recorder





**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #2 Formation: Lans "J" Test Interval: 3672 - 3702' Total Depth: 3702'

Time On: 22:07 04/23 Time Off: 04:30 04/24
Time On Bottom: 00:17 04/24 Time Off Bottom: 02:17 04/24

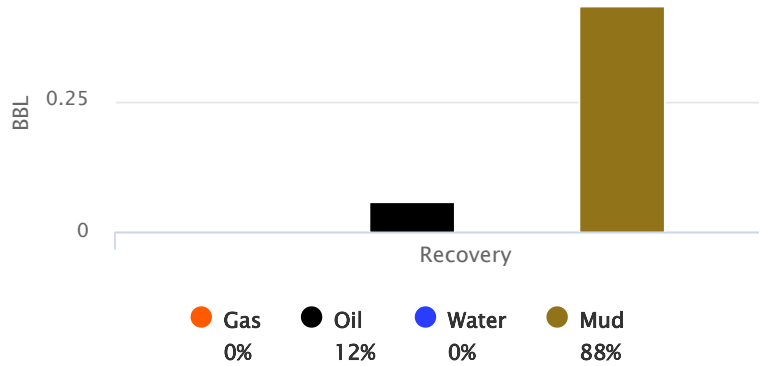
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
40	0.1968	SLOCM	0	15	0	85
60	0.2952	SLOCM	0	10	0	90

Total Recovered: 100 ft
Total Barrels Recovered: 0.492

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1881	PSI
Initial Flow	15 to 44	PSI
Initial Closed in Pressure	935	PSI
Final Flow Pressure	44 to 58	PSI
Final Closed in Pressure	805	PSI
Final Hydrostatic Pressure	1801	PSI
Temperature	106	°F
Pressure Change Initial Close / Final Close	13.9	%

GIP cubic foot volume: 0



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #2 Formation: Lans "J" Test Interval: 3672 - Total Depth: 3702'
3702'

Time On: 22:07 04/23 Time Off: 04:30 04/24
Time On Bottom: 00:17 04/24 Time Off Bottom: 02:17 04/24

BUCKET MEASUREMENT:

1st Open: Blow building to 3.6 ins.
1st Close: No blow back.
2nd Open: Blow building to 1.7 ins.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 1% Oil 0% Water 99% Mud



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #2 Formation: Lans "J" Test Interval: 3672 - Total Depth: 3702'
3702'
Time On: 22:07 04/23 Time Off: 04:30 04/24
Time On Bottom: 00:17 04/24 Time Off Bottom: 02:17 04/24

Down Hole Makeup

Heads Up: 12.48 FT	Packer 1: 3666.5 FT
Drill Pipe: 3470.54 FT <i>ID-3 1/2</i>	Packer 2: 3672 FT
Weight Pipe: FT	Top Recorder: 3655.42 FT
Collars: 180.37 FT <i>ID-2 1/4</i>	Bottom Recorder: 3674 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 30	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/2</i>	
Change Over: FT	
Perforations: (below): 29 FT <i>4 1/2-FH</i>	



**Company: Satchell Creek
Petroleum, LLC
Lease: Worcester "A" #5-28**

SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
23
2023

DST #2 Formation: Lans "J" Test Interval: 3672 - Total Depth: 3702'
3702'
Time On: 22:07 04/23 Time Off: 04:30 04/24
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Mud Properties

Mud Type: Chemical **Weight:** 9.4 **Viscosity:** 67 **Filtrate:** 6.4 **Chlorides:** 700 ppm



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Time On Bottom: 00:17 04/24 Time Off Bottom: 02:17 04/24

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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Job Number: 666
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Operation:
Well Complete

DATE
April
24
2023

DST #3 **Formation: Lans "K&L"** **Test Interval: 3704 - 3734'** **Total Depth: 3734'**
Time On: 16:21 04/24 Time Off: 23:05 04/24
Time On Bottom: 18:48 04/24 Time Off Bottom: 20:48 04/24

Recovered

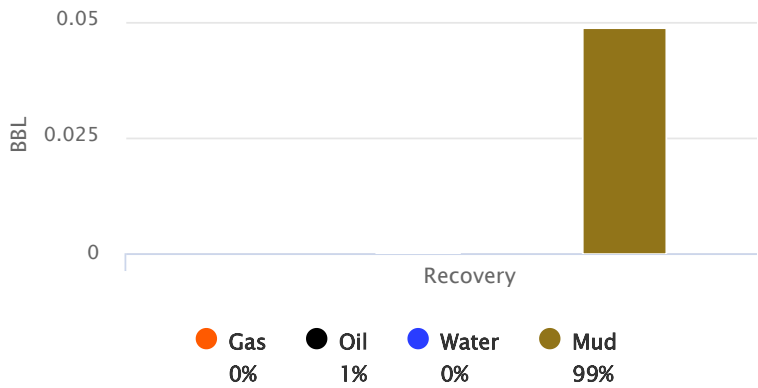
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.0492	SLOCM	0	1	0	99

Total Recovered: 10 ft
Total Barrels Recovered: 0.0492

Reversed Out
NO

Initial Hydrostatic Pressure	1892	PSI
Initial Flow	13 to 29	PSI
Initial Closed in Pressure	292	PSI
Final Flow Pressure	29 to 30	PSI
Final Closed in Pressure	156	PSI
Final Hydrostatic Pressure	1819	PSI
Temperature	103	°F
Pressure Change Initial Close / Final Close	46.6	%

Recovery at a glance



GIP cubic foot volume: 0



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SEC: 28 TWN: 7S RNG: 22W
County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
24
2023

DST #3	Formation: Lans "K&L"	Test Interval: 3704 - 3734'	Total Depth: 3734'
	Time On: 16:21 04/24	Time Off: 23:05 04/24	
	Time On Bottom: 18:48 04/24	Time Off Bottom: 20:48 04/24	

BUCKET MEASUREMENT:

1st Open: Weak, surface blow building to 1 in. Died in 27 mins.
1st Close: No blow back.
2nd Open: No blow.
2nd Close: No blow back.

REMARKS:

1st Open: Weak, surface blow. Died in 3 1/2 mins. Flushed tool at 6 mins. & blow returned. Died again in 27 mins.

Tool Sample: 0% Gas 1% Oil 0% Water 99% Mud



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County: GRAHAM
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
25
2023

DST #4 **Formation: Oread/Lans "G"** **Test Interval: 3470 - 3620'** **Total Depth: 3970'**
Time On: 17:38 04/25 Time Off: 01:37 04/26
Time On Bottom: 21:05 04/25 Time Off Bottom: 22:35 04/25

Electronic Volume
Estimate:
1522'

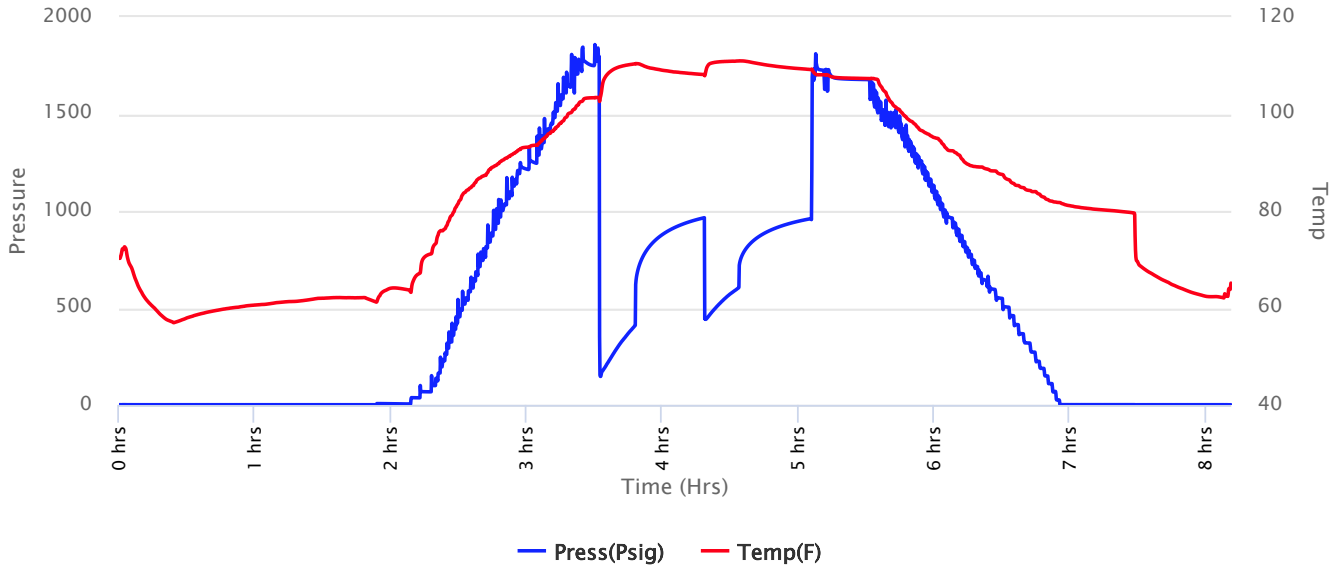
1st Open
Minutes: 15
Current Reading:
104.3" at 15 min
Max Reading: 104.3"

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

2nd Open
Minutes: 15
Current Reading:
73.4" at 15 min
Max Reading: 73.4"

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

Inside Recorder





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State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

DATE
April
25
2023

DST #4 **Formation:** Oread/Lans "G"
Test Interval: 3470 - 3620' **Total Depth:** 3970'
Time On: 17:38 04/25 Time Off: 01:37 04/26
Time On Bottom: 21:05 04/25 Time Off Bottom: 22:35 04/25

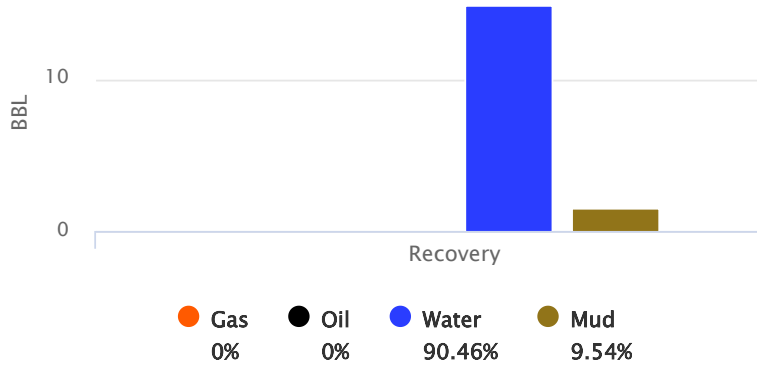
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
142	2.02066	HMCW	0	0	60	40
1068	14.0769953	SLMCW	0	0	96	4
60	0.2952	HWCM	0	0	35	65

Total Recovered: 1270 ft
Total Barrels Recovered: 16.3928553

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1792	PSI
Initial Flow	148 to 411	PSI
Initial Closed in Pressure	965	PSI
Final Flow Pressure	447 to 601	PSI
Final Closed in Pressure	956	PSI
Final Hydrostatic Pressure	1695	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	0.9	%

GIP cubic foot volume: 0



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DST #4 **Formation: Oread/Lans "G"** **Test Interval: 3470 - 3620'** **Total Depth: 3970'**
Time On: 17:38 04/25 Time Off: 01:37 04/26
Time On Bottom: 21:05 04/25 Time Off Bottom: 22:35 04/25

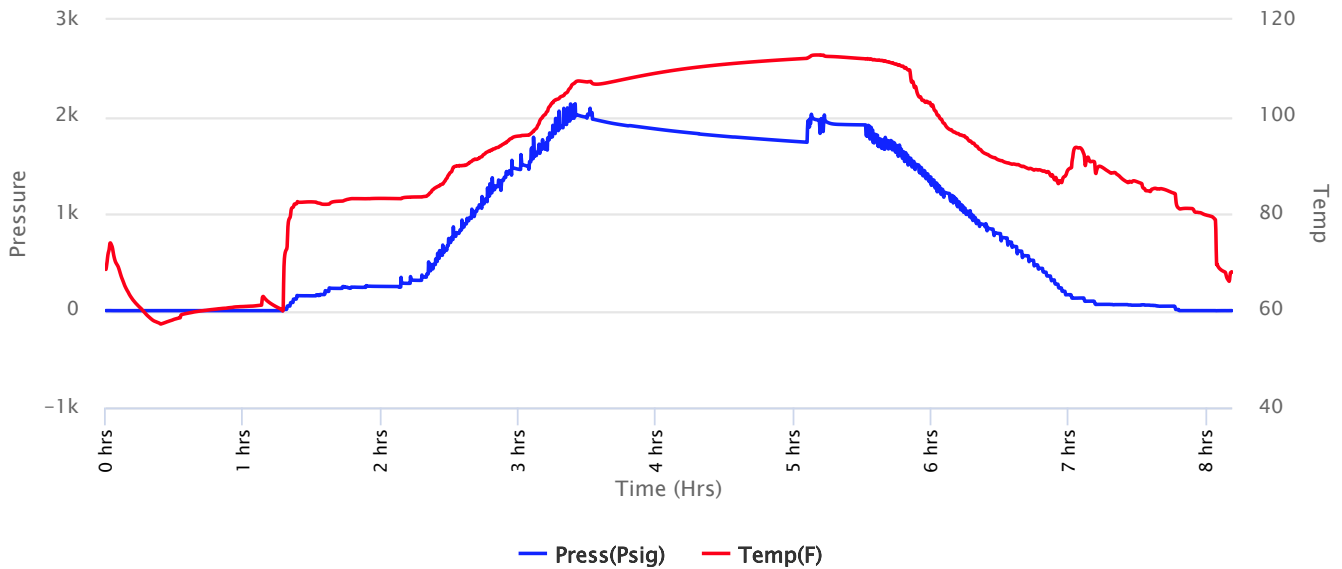
BUCKET MEASUREMENT:

1st Open: BOB in 1 min. 15 secs.
1st Close: No blow back.
2nd Open: BOB in 1 min. 30 secs.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 75% Water 25% Mud
Measured RW: .35 @ 56 degrees °F
RW at Formation Temp: 0.187 @ 111 °F
Chlorides: 23,900 ppm

Below Straddle Recorder





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LLC - Rig 2
Elevation: 2280 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 666
API #: 15-065-24247

Operation:
Well Complete

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25
2023

DST #4 **Formation:** **Test Interval: 3470 -** **Total Depth: 3970'**
Oread/Lans "G" **3620'**
Time On: 17:38 04/25 Time Off: 01:37 04/26
Time On Bottom: 21:05 04/25 Time Off Bottom: 22:35 04/25

Down Hole Makeup

Heads Up: 22.8 FT	Packer 1: 3464.5 FT
Drill Pipe: 3278.86 FT <i>ID-3 1/2</i>	Packer 2: 3470 FT
Weight Pipe: FT	Packer 3: 3620 FT
Collars: 180.37 FT <i>ID-2 1/4</i>	Top Recorder: 3453.42 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Bottom Recorder: 3603 FT
Total Anchor: 150	Below Straddle Recorder: 3940 FT
	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: .5 FT

Drill Pipe: (in anchor): 127 FT
ID-3 1/2

Change Over: .5 FT

Perforations: (below): 18 FT
4 1/2-FH

STRADDLE

Straddle Packer(s): 1 FT

Change Over: 1 FT

Drill Pipe: 316 FT
ID-3 1/2"

Change Over: 1 FT

Perforations (in tail pipe): 31 FT
4 1/2-FH



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LLC - Rig 2
Elevation: 2280 GL
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Gas Volume Report

1st Open

2nd Open

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

Time	Orifice	PSI	MCF/D
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Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 SATCHELL CREEK
 C/O FEATURE DRILLING LLC
 4320 VINE ST PMB 386
 HAYS, KS 67601

Invoice Date: 6/30/2023
 Invoice #: 0369444
 Lease Name: Worchester A
 Well #: 5-28 (New)
 County: Graham, Ks
 Job Number: WP4464
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Top Off	0.000	0.000	0.00
H-CON	144.000	25.000	3,600.00
Cement Blending & Mixing	144.000	1.400	201.60
Liquid Defoamer	1.000	50.000	50.00
Light Eq Mileage	85.000	2.000	170.00
Heavy Eq Mileage	170.000	4.000	680.00
Ton Mileage	1,802.000	1.500	2,703.00
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Service Supervisor	1.000	275.000	275.00

Total 8,679.60

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!

