KOLAR Document ID: 1738493

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 # 35970
Name: Satchell Creek Petroleum, LLC
Address 1: 3032 N CORTINA STREET
Address 2:
City: WICHITA State: KS Zip: 67205 + 7536
Contact Person: Michael J. Hopson
Phone: (970) 989-4554
CONTRACTOR: License # 35963
Name: Feature Drilling LLC
Wellsite Geologist: Sean Deenihan
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 #:

9/25/2023	10/3/2023	10/16/2023
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-065-24294-00-00
Spot Description:
SE - SW - NW - NW Sec. 34 Twp. 10 S. R. 25 ☐ East ☑ West
1129 Feet from ☑ North / ☐ South Line of Section
484 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: Graham
Lease Name: HOBBS Well #: A 8-34
Field Name:
Producing Formation: Toronto, Lansing
Elevation: Ground: 2486 Kelly Bushing: 2494
Total Vertical Depth: 4124 Plug Back Total Depth: 4097
Amount of Surface Pipe Set and Cemented at: 222 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2155 Feet
If Alternate II completion, cement circulated from: 2155
feet depth to: 0 w/ 350 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 2800 ppm Fluid volume: 0 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:
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Todd Bryant **Date:** 03/04/2024

Operator Name: Satchell Creek Petroleum, LLC Lease Name: HOBBS Well #: A 8-34

Sec. 34 Twp. 10 S. R. 25 ☐ East ☑ West County: Graham

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
DUCP
MEL

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

Name	Top	Datum
King Hill Shale	3670	-1177
Heebner	3783	-1290
Toronto	3794	-1313
Lansing	3814	-1333

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	8.625	23	222	HxH-325	185	2% gel; 3% cc
Production	7.875	5.5	15	4121	H-LD	250	50% F; .1% FL; 3% salt
Production	7.875	5.5	15	2155	H-Con	350	50% F; .1% FL; 3% salt

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: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3808	4000

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)*
8	3808	3810			500 gal, 20% HCL
8	3826	3828			500 gal, 20% HCL
8	3856	3860			500 gal, 20% HCL
8	3958	3964			500 gal, 20% HCL
8	3997	4000			500 gal, 20% HCL
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	Satchell Creek Petroleum, LLC
Well Name	HOBBS A 8-34
Doc ID	1738493

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	222	HxH-325	185	2% gel; 3% cc
Production	7.875	5.5	15	4121	H-LD	250	50% F; .1% FL; 3% salt
Production	7.875	5.5	15	2155	H-Con	350	50% F; .1% FL; 3% salt

COMPANY & WELL Satchell Creek Petroleum LLC./ Hobbs #A 8-34

LOCATION SE SW NW NW 1129 South, 484 East, from NW corner

SEC 34 **TWP** 10S **RGE** 25W

COUNTY Graham **STATE** Kansas

GEOLOGICAL REPORT

Sydney Smith
Petroleum Geologist

COMPANY Satchell Creek Petroleum LLC.

API # 15-065-24294 FIELD Unnamed

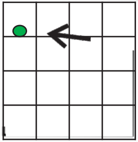
LEASE Hobbs WELL # #A 8-34

LOCATION **SE SW NW NW 1129 South, 484 East, from NW corner**

SURVEY

SECTION 34 TWP 10S RGE 25W

COUNTY Graham STATE Kansas



CONTRACTOR Feature Drilling LLC. Rig # 3

SPUD Sept. 25, 2023 16:00 COMP

RTD LTD

MUD UP AT 3100'-3150'

MUD TYPE Chemical/ Gel

ELEVATIONS

K.B. 2494'

D.F.

G.L. 2486'

All measurements from K.B. 2494'

SAMPLES SAVED FROM 3300' TO

DRILLING TIME FROM 3400 TO

SAMPLES EXAMINED FROM 3400 TO

GEOLOGICAL SUPERVISION FROM 3400 TO

WELLSITE GEOLOGIST Sydney Smith/ Sean Deenihan

CASING RECORD

Conductor of w/ sx

Surface of w/ sx

Production of w/ sx

ELECTRICAL SURVEYS

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL A	REFERENCE WELL B
King Hill	3668"	-1174'	3669'	-1175'		
Lecompton	3671'	-1177'	3677'	-1183'		
Queen Hill	3718'	-1224'	3728'	-1234'		
Heebner	3782'	-1288'	3783'	-1289'		
Toronto	3796'	-1302	3803'	-1309'		
Lansing/ Kansas City	3824'	-1330'	3824'	-1330'		
Stark	4006'	1512'	4006'	-1512'		
Hushpuckney	4026'	-1532'	4026'	-1532		
BKC	4050'	1556'	4050'	-1556'		
		-				
		-				
		-				

REFERENCE WELLS A:

B:

REMARKS

DST's were ran and it was concluded lease Hobbs 8-34 to be a potential producing well and pipe was set.

ROCK TYPES

LITHOLOGY

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Sltstn
- Shale
- Sandylms
- Lms
- Gry sh
- Dtd
- Dol
- Carb sh
- pipesymbol
- ????? unknown lith
- Red shale

FOSSIL

- Oomoldic
- Fuss
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- F Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL

- Slty
- Sand
- Dol
- Chlorite
- Anhy
- Arggrn
- Arg
- B Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- K Kaol
- Marl
- Minxl
- Nodule
- Phos
- P Pyr
- Salt
- Sandy
- Silt
- Sil
- S Sulphur
- Tuff

STRINGER

- Red shale
- Sh
- Sandylms
- Lms
- Gryslt
- Grysh
- Dol
- Clystn
- Carbsh
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

BS	Boundst
C	Chalky
CX	Cryxln
E	Earthy
FX	Finexln
GS	Grainst
L	Lithogr
MX	Microxln
MS	Mudst
PS	Packst
WS	Wackest

OIL SHOW

- Gas show
- ● Good
- ◑ Fair
- ○ Poor
- D Dead

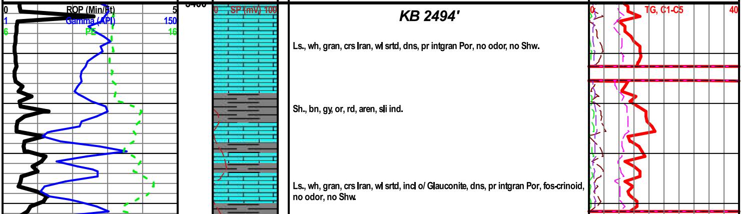
INTERVAL

- Dst
- ■ Core
- Dst
- Straddle test tail pipe

EVENT

- ▷ Rft
- ▶ Sidewall
- Dst
- Open hole
- Perforations

Drilling Time	MD	Lithology	Oil Shows	Geological Descriptions	Engineering Data
ROP (Min/Ft) Gamma (API) PE		SP (mV)			TG (1000u) C1 (1000u) C2 (1000u) C3 (1000u) C4 (1000u) C5 (1000u)

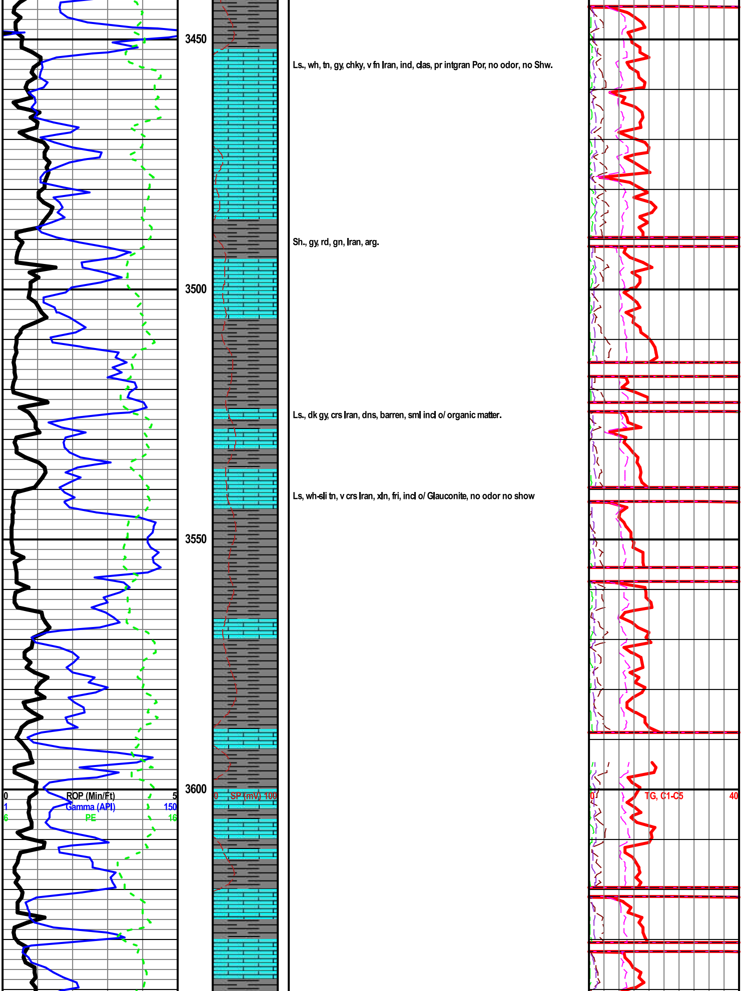


KB 2494'

Ls., wh, gran, crs lran, wl srtd, dns, pr intgran Por, no odor, no Shw.

Sh., bn, gy, or, rd, aren, sli ind.

Ls., wh, gran, crs lran, wl srtd, incl o/ Glauconite, dns, pr intgran Por, fos-crinoid, no odor, no Shw.

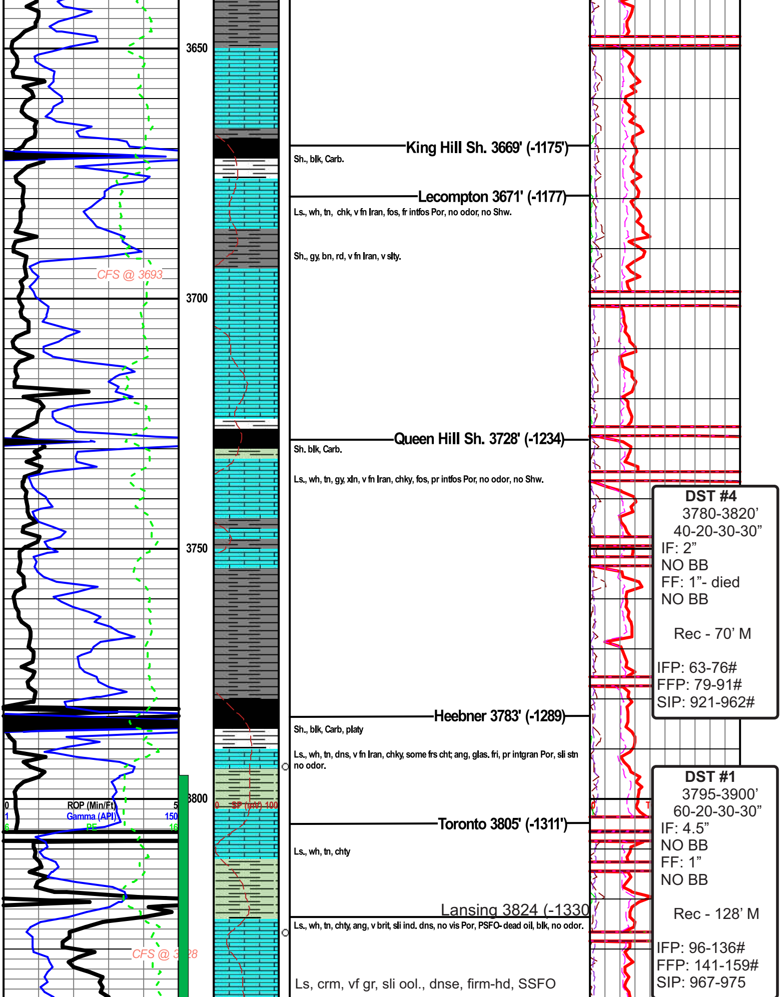


Ls., wh, tn, gy, chky, v fn lran, ind, clas, pr intgran Por, no odor, no Shw.

Sh., gy, rd, gn, lran, arg.

Ls., dk gy, crs lran, dns, barren, sml incl o/ organic matter.

Ls, wh-sli tn, v crs lran, xln, fri, incl o/ Glauconite, no odor no show



King Hill Sh. 3669' (-1175')

Sh., blk, Carb.

Lecompton 3671' (-1177')

Ls., wh, tn, chk, v fn Iran, fos, fr intfos Por, no odor, no Shw.

Sh., gy, bn, rd, v fn Iran, v slty.

Queen Hill Sh. 3728' (-1234)

Sh. blk, Carb.

Ls., wh, tn, gy, xln, v fn Iran, chky, fos, pr intfos Por, no odor, no Shw.

Heebner 3783' (-1289)

Sh., blk, Carb, platy

Ls., wh, tn, dns, v fn Iran, chky, some frs cht; ang, glas. fri, pr intgran Por, sli stn no odor.

Toronto 3805' (-1311')

Ls., wh, tn, chty

Lansing 3824 (-1330

Ls., wh, tn, chty, ang, v brit, sli ind. dns, no vis Por, PSFO- dead oil, blk, no odor.

Ls, crm, vf gr, sli ool., dnse, firm-hd, SSFO

DST #4
3780-3820'
40-20-30-30"
IF: 2"
NO BB
FF: 1"- died
NO BB

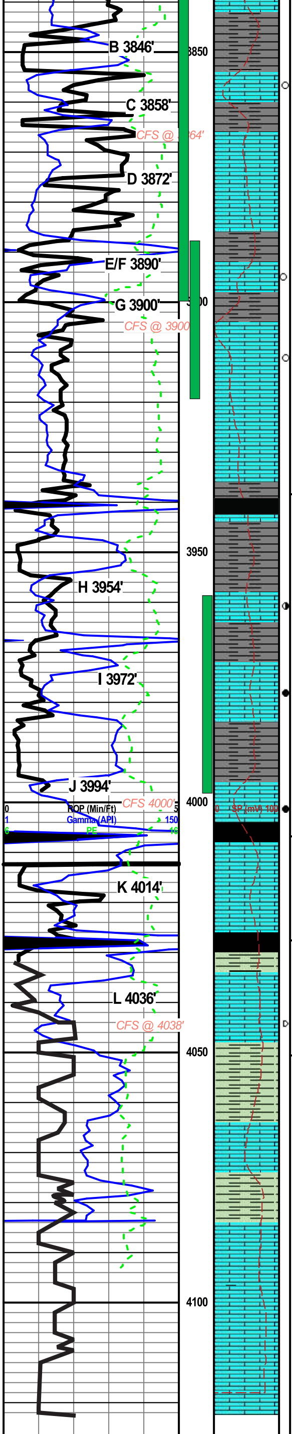
Rec - 70' M

IFP: 63-76#
FFP: 79-91#
SIP: 921-962#

DST #1
3795-3900'
60-20-30-30"
IF: 4.5"
NO BB
FF: 1"
NO BB

Rec - 128' M

IFP: 96-136#
FFP: 141-159#
SIP: 967-975



Sh., gy, grn, brn, gummy

Ls, wh, gy, vf gr, sli fos, p intgran Por, chlky IP, PSFO opn crush, fr odr

Ls., wh, dns, chky, ea, sli cht, hd, no vis Por, gd stn, no odor, blk organic matter, no Shw.

Ls, wh, gy, vf gr, fos, p intgran Por, mostly dnse, PSFO opn crush, fr odr

Ls, wh, tn, v fn gran, chky, fri, dns, gd intgran Por, vug, PSFO gassy oil- moveable-lighter, makes bubbles upon crush.

Muncie Creek 3938' (- 1444)

Ls., wh, crm, gy, fn- micro xln, sli Ool, w/cht, cht, org-wnt opaq, FSFO- blk stn, lt brn, min stn, sub chunky, ft odor, no fluor.

Ls., crm, tn, gy, fn- micro xln, sub chky, v chty, hd, GSFO- blk- dk bn, trc- dr rare, gas bubbles, scatt. f-fluor, f-ft odor. Gas kick 25 1000u.

Ls., wh, crm, fri- ind., lt bn stn, fn-xln-Dol, gpp Por, shallow to deep vug. GSFO- lt bn to bn, f-gd flour, ft-f odor,

Stark Sh. 4006' (-1512)

Sh., blk, Carb, platy.

Ls., wh, tn, med- fn Iran, dull/ea lstr, mass, dns, shallow vug, incl of rd fn Iran sd. no odor, no Shw

Hushpuckney Sh. 4027' (-1533')

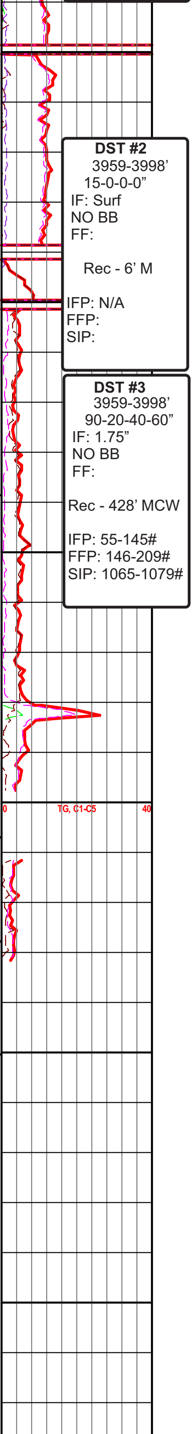
Sh. blk, Carb.

Ls., wh, ea, dns, sli chty, deep vug, terminals o/ blk- bn Carb sh/ dd o- flakes scatt upon crush.

BKC 4050' (-1556)

Ls., wh, ea, dns, chty, v gd vug, terminals of blk-bn PSFO- blk flaky dead oil, organic matter scatt. and float upon crush.

Sh. dk gy teal, bn, rd argil, slty, .



DST #2
3959-3998'
15-0-0-0"
IF: Surf
NO BB
FF:

Rec - 6' M

IFP: N/A
FFP:
SIP:

DST #3
3959-3998'
90-20-40-60"
IF: 1.75"
NO BB
FF:

Rec - 428' MCW

IFP: 55-145#
FFP: 146-209#
SIP: 1065-1079#

HSI

CEMENT TREATMENT REPORT

Customer:	Satchell Creek	**Well:**	Hobbs A # 8-34	**Ticket:**	WP4735
City, State:		**County:**	Graham,KS	**Date:**	9/25/2023
Field Rep:		**S-T-R:**	34-10S-25W	**Service:**	Surface

Downhole Information

Hole Size:	12 1/4 in
Hole Depth:	223 ft
Casing Size:	8 5/8 in
Casing Depth:	221.7 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	13.0 bbls

Calculated Slurry - Lead

Blend:	HxH-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	46.5 bbls
Total Sacks:	185 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

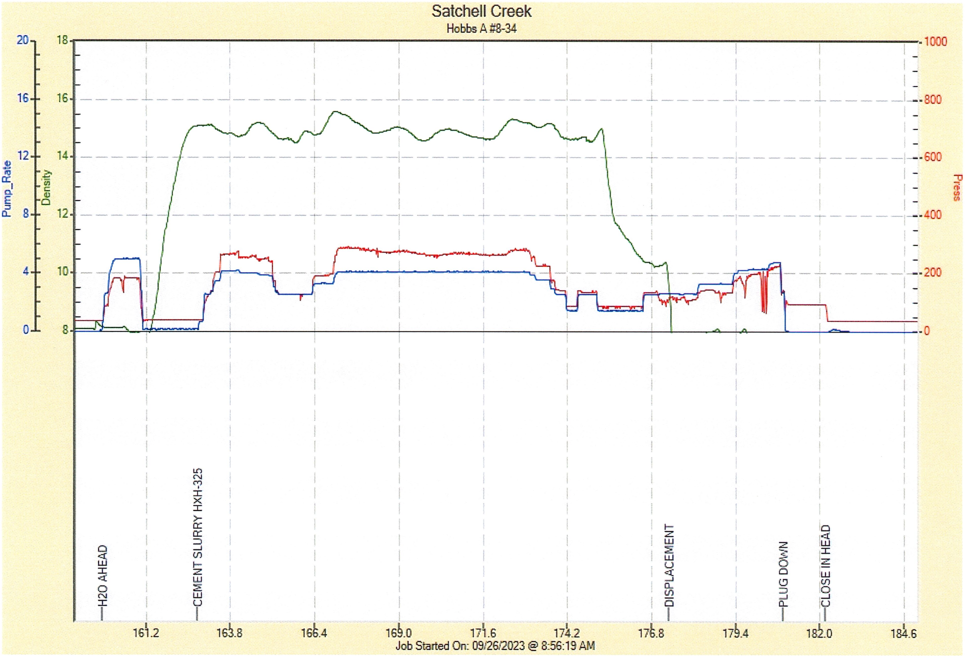
TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
830pm			-	-	Arrive On Locaton
900pm				-	Safety Meeting
930pm				-	Rig Up
				-	
1011pm	5.0	150.0	5.0	5.0	H2O Ahead
1014pm	4.0	200.0	46.5	51.5	Cement Slurry HxH-325 185sks @ 14.8ppg
1028pm	3.5	200.0	13.0	64.5	Displace
1032pm		150.0		64.5	Plug Down
				64.5	Circulated 1bbl of Cement to Pit
1045pm				64.5	Wash Up
1055pm				64.5	Rig Down
1105pm					Leave Location

	CREW	UNIT
Cementer:	Spencer	205
Pump Operator:	Michael	230
Bulk #1:	Hunter	945
Bulk #2:		

SUMMARY

Average Rate	Average Pressure	Total Fluid
4.2 bpm	175 psi	65 bbls

ftv: 13-2021/01/19
mplv: 407-2023/08/16



Satchell Creek

Hobbs A #8-34

Job Started On: 09/26/2023 @ 8:56:19 AM

HSI

CEMENT TREATMENT REPORT

Customer:	Satchell Creek	**Well:**	Hobbs A #8-34	**Ticket:**	WP 4768
City, State:	St. Peter KS	**County:**	Graham KS	**Date:**	10/4/2023
Field Rep:	Preston Dreiling	**S-T-R:**	34-10S-25W	**Service:**	2 Stage

Downhole Information

Hole Size:	7 7/8 in
Hole Depth:	4122 ft
Casing Size:	5 1/2 in
Casing Depth:	4121 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	DV Tool
Tool Depth:	2157 ft
Displacement:	97.8 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.:	0.0309 bbs / ft.
Depth:	4121 ft
Annular Volume:	127.3 bbls
Excess:	
Total Slurry:	67.2 bbls
Total Sacks:	250 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:	bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
10:50 PM			-	-	Arrived on location with casing already on bottom and cirulating mud
11:00 PM				-	Safety meeting
11:10 PM				-	Rigged up
12:21 AM	4.0	150.0	5.0	5.0	Water ahead
12:22 AM	4.0	200.0	12.0	17.0	Pumped 500 gallons mud flush
12:26 AM	4.0	225.0	24.0	41.0	Water behind with 2% KCL
12:34 AM	5.2	175.0	67.2	108.2	Mixed 250 sacks H-LD Lead cement @ 14.8 ppg mud scale verified
12:55 AM				108.2	Shut down, loaded plug, cleared pump and lines
1:03 AM	6.5	225.0	40.0	148.2	Begin water displacement with 2% KCL
1:13 AM	6.5	225.0	57.8	206.0	Begin mud displacement
1:20 AM	3.0	750.0		206.0	Slowed down due to high pressure
1:29 AM		1,750.0			Plug down with 1000 landing psi and 1750 bump psi
1:31 AM					Release pressure, plug held with 3/4 bbl back to tank
1:39 AM					Dropped bomb and waited 15 minutes to fall
1:58 AM	2.0	100.0	0.5		Opened tool with 1/2 bbl at 100 psi and begin circulation for 3 hours

	CREW	UNIT
Cementer:	John	947
Pump Operator:	Jose V	208
Bulk #1:	Jose T	180-250
Bulk #2:	Jose T	194-254

SUMMARY

Average Rate	Average Pressure	Total Fluid
4.4 bpm	422 psi	207 bbls

ftv: 15-2021/01/25
mplv: 423-2023/09/21

CEMENT TREATMENT REPORT

Customer:	Satchell Creek	**Well:**	Hobbs A #8-34	**Ticket:**	WP 4768
City, State:	St. Peter KS	**County:**	Graham KS	**Date:**	10/4/2023
Field Rep:	Preston Dreiling	**S-T-R:**	34-10S-25W	**Service:**	2 Stage

Downhole Information

Hole Size:	7 7/8 in
Hole Depth:	4122 ft
Casing Size:	5 1/2 in
Casing Depth:	4121 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	DV Tool
Tool Depth:	2157 ft
Displacement:	51.3 bbls

Calculated Slurry - Lead

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

Calculated Slurry - Tail

Blend:	H-Con
Weight:	12 ppg
Water / Sx:	15.5 gal / sx
Yield:	2.56 ft^3 / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	2157 ft
Annular Volume:	66.6513 bbls
Excess:	
Total Slurry:	159.5 bbls
Total Sacks:	350 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
4:44 AM	4.0	175.0	10.0	10.0	Water ahead
4:50 AM	2.0	100.0	13.6	23.6	Mixed 30 sacks cement for rathole plug
4:57 AM	2.0	100.0	9.1	32.7	Mixed 20 sacks cement for mousehole plug
5:04 AM	6.2	250.0	136.7	169.4	Mixed 300 sacks H-Con Tail cement down hole @ 12.0 ppg mud scale verified
5:30 AM				169.4	Shut down, and released plug
5:32 AM	4.5	200.0	41.3	210.7	Begin displacement
5:41 AM	3.0	650.0	10.0	220.7	Slowed down to 3.0 bpm 10 bbls to go
5:44 AM		1,650.0		220.7	Plug down with 750 landing psi and 1650 bump psi and 5 bbls/11 sacks cement circulated to pit
5:46 AM				220.7	Released pressure, plug held with 1/2 bbl back to tank
5:48 AM				220.7	Washed up and rigged down
6:30 AM				220.7	Left location
				220.7	
				220.7	
				220.7	
				220.7	
				220.7	
				220.7	
				220.7	
				220.7	
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				220.7	
				220.7	
				220.7	
				220.7	
				220.7	

	CREW	UNIT
Cementer:	John	947
Pump Operator:	Jose V	208
Bulk #1:	Jose T	180-250
Bulk #2:	Jose T	194-254

SUMMARY

Average Rate	Average Pressure	Total Fluid
3.6 bpm	446.4 psi	221 bbls

DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

Hobbs A8-34

SE-SW-NW-NW 34-10-25 - Graham County

Start Date: 2023.10.02 @ 11:24:49
End Date: 2023.10.03 @ 05:49:41
Job Ticket #: 01606 DST #: 1

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2023.10.04 @ 13:54:17

Satchell Creek Petroleum SE-SW-NW-NW 34-10-25 - Graham County Hobbs A8-34 DST # 1 Lansing A - F 2023.10.02

DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 1**

Test Start: 2023.10.02 @ 11:24:49

GENERAL INFORMATION:

Formation: **Lansing A - F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:01:42
Time Test Ended: 05:49:41

Test Type: Conventional Bottom Hole (Initial)
Tester: Chad F Geist
Unit No: 1

Interval: 3795.00 ft (KB) To 3900.00 ft (KB) (TVD)
Total Depth: 3900.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2494.00 ft (KB)
2486.00 ft (CF)
KB to GR/CF: 8.00 ft

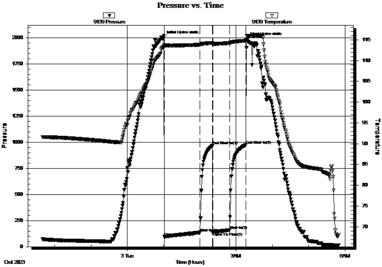
Serial #: 9139

Press@RunDepth: 158.56 psig @ ft (KB)
Start Date: 2023.10.02 End Date: 2023.10.03
Start Time: 21:40:12 End Time: 05:49:41

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2023.10.03 @ 00:59:42
Time Off Btm: 2023.10.03 @ 03:17:42

TEST COMMENT: 60-20-30-30

IO: Built to4.5" in 60 mins
BB: N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1991.36	113.18	Initial Hydro-static
2	95.76	113.69	Open To Flow (1)
61	136.40	113.82	Shut-In(1)
81	966.84	114.26	End Shut-In(1)
82	140.57	114.05	Open To Flow (2)
110	158.56	114.23	Shut-In(2)
137	975.17	114.80	End Shut-In(2)
138	1977.72	115.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
128.00	100% DM	

Gas Rates

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

DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 1**

Test Start: 2023.10.02 @ 11:24:49

GENERAL INFORMATION:

Formation: **Lansing A - F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:01:42
Time Test Ended: 05:49:41

Test Type: Conventional Bottom Hole (Initial)
Tester: Chad F Geist
Unit No: 1

Interval: 3795.00 ft (KB) To 3900.00 ft (KB) (TVD)
Total Depth: 3900.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2494.00 ft (KB)
2486.00 ft (CF)
KB to GR/CF: 8.00 ft

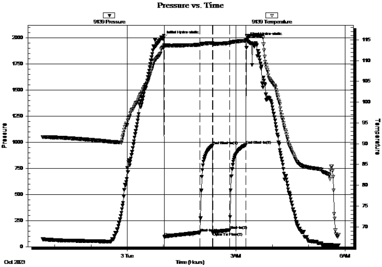
Serial #: 9119

Press@RunDepth: psig @ ft (KB)
Start Date: 2023.10.02 End Date: 2023.10.03
Start Time: 21:28:31 End Time: 06:09:24

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 1899.12.30 @ 00:00:00
Time Off Btm: 1899.12.30 @ 00:00:00

TEST COMMENT: 60-20-30-30

IO: Built to4.5" in 60 mins
BB: N/A



PRESSURE SUMMARY

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

Recovery

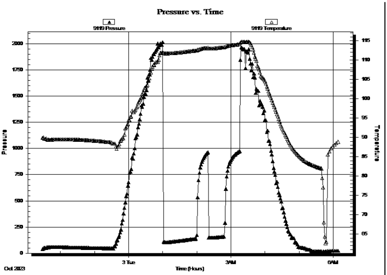
Length (ft)	Description	Volume (bbl)
128.00	100% DM	

Gas Rates

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

Recovery Table

Length	Recovery Table	Volume
Length	Description	Volume



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 1**

Test Start: 2023.10.02 @ 11:24:49

Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl
					Total Volume:	- bbl

Tool Weight:	10000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	65000.00 lb
Tool Chased	1.00 ft
String Weight: Initial	49000.00 lb
Final	50000.00 lb

Drill Pipe Above KB:	ft		
Depth to Top Packer:	28.50 ft		
Depth to Bottom Packer:	ft		
Interval between Packers:	105.00 ft		
Tool Length:	133.50 ft		
Number of Packers:	2	Diameter:	6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			5.00		
Hydraulic tool	6.00			11.00		
Jars	4.00			15.00		
Safety Joint	2.50			17.50		
Top Packer	6.50			24.00		
Packer	4.50			28.50	28.50	Bottom Of Top Packer
Change Over Sub	0.75			29.25		
Drill Pipe	60.50			89.75		
Change Over Sub	0.75			90.50		
Anchor	38.00			128.50		
Recorder	0.00	9119	Inside	128.50		
Recorder	0.00	9139	Outside	128.50		
Bullnose	5.00			133.50	105.00	Anchor Tool
Total Tool Length:	**133.50**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 1**

Test Start: 2023.10.02 @ 11:24:49

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:	42.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
128.00	100% DM	

Total Length: 128.00 ft Total Volume: bbl

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

DRILL STEM TEST REPORT

GAS RATES

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 1**

Test Start: 2023.10.02 @ 11:24:49

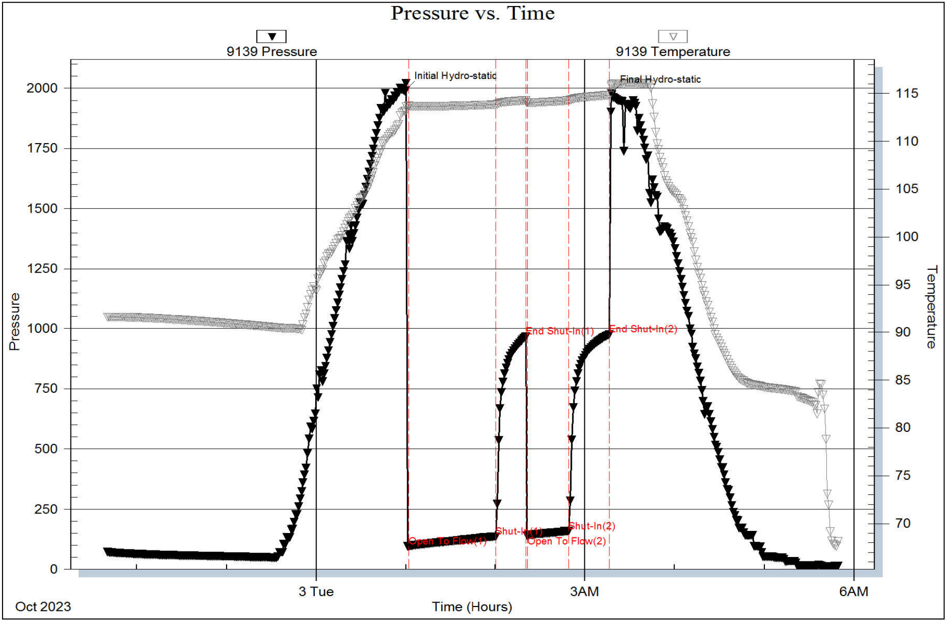
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

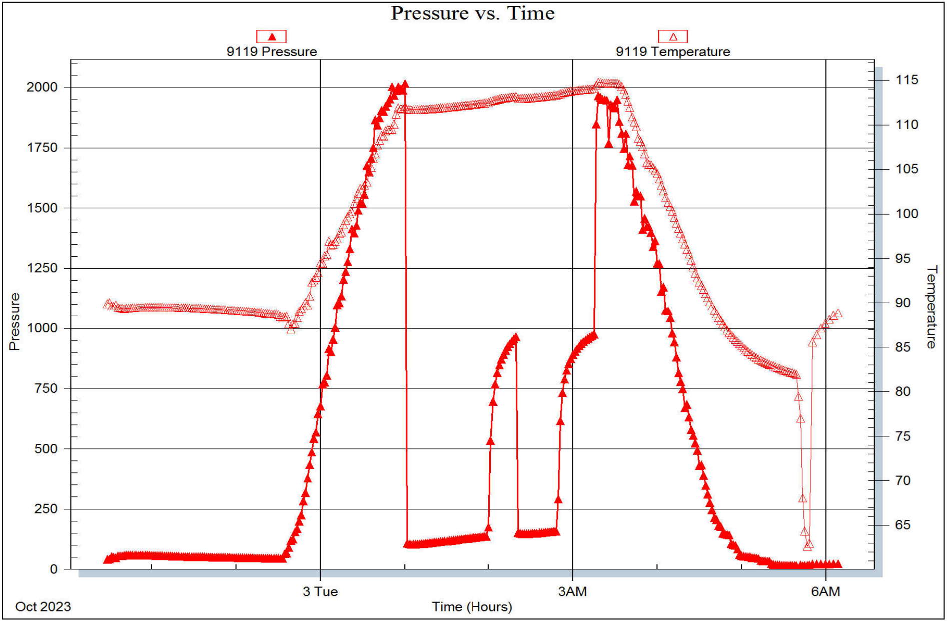
Serial #: 9139 Satchell Creek Petroleum Hobbs A8-34 DST Test Number: 1



Pressure vs. Time

Eagle Testers Ref. No: 01606 Printed: 2023.10.04 @ 13:54:23

Serial #: 9119 | Satchell Creek Petroleum | Hobbs A8-34 | DST Test Number: 1



Pressure vs. Time

Eagle Testers | Ref. No: 01606 | Printed: 2023.10.04 @ 13:54:23

DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

Hobbs A8-34

SE-SW-NW-NW 34-10-25 - Graham County

Start Date: 2023.10.02 @ 00:00:00
End Date:
Job Ticket #: 01606 DST #: 2

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2023.10.04 @ 13:55:07

DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 2**

Test Start: 2023.10.02 @ 00:00:00

GENERAL INFORMATION:

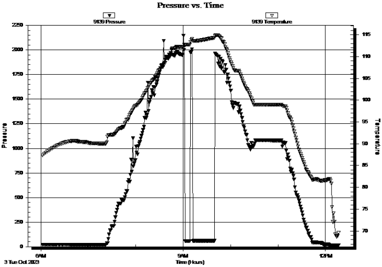
Formation:	**Lansing I - J**		
Deviated:	No Whipstock: ft (KB)	Test Type:	Conventional Bottom Hole (Initial)
Time Tool Opened:		Tester:	Chad F Geist
Time Test Ended:		Unit No:	1
Interval:	**3959.00 ft (KB) To 3998.00 ft (KB) (TVD)**	Reference Elevations:	2494.00 ft (KB)
Total Depth:	3998.00 ft (KB) (TVD)		2486.00 ft (CF)
Hole Diameter:	7.88 inches Hole Condition:	KB to GR/CF:	8.00 ft

Serial #: 9139

Press@RunDepth:	psig @	ft (KB)		Capacity:	psig
Start Date:	2023.10.03	End Date:	2023.10.03	Last Calib.:	1899.12.30
Start Time:	06:02:19	End Time:	12:16:19	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 15 mins

IO: Weak Surface Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
6.00	OCDM	

Gas Rates

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

DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 2**

Test Start: 2023.10.02 @ 00:00:00

GENERAL INFORMATION:

Formation: **Lansing I - J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)
Tester: Chad F Geist
Unit No: 1

Interval: 3959.00 ft (KB) To 3998.00 ft (KB) (TVD)
Total Depth: 3998.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2494.00 ft (KB)
2486.00 ft (CF)
KB to GR/CF: 8.00 ft

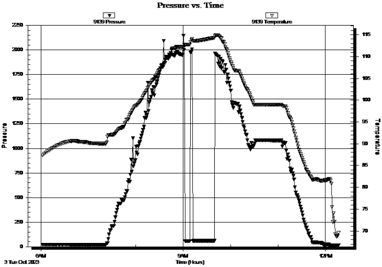
Serial #: 9119

Press@RunDepth: psig @ ft (KB)
Start Date: 2023.10.02 End Date: 2023.10.03
Start Time: 11:27:27 End Time: 12:12:13

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

TEST COMMENT: 15 mins

IO: Weak Surface Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
6.00	OCDM	

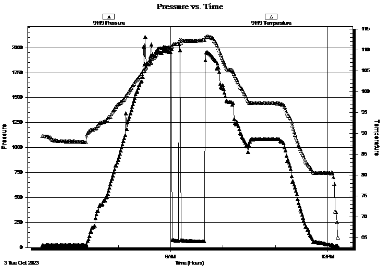
Gas Rates

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

Recovery Table

Length Recovery Table Volume

Length Description Volume



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 2**

Test Start: 2023.10.02 @ 00:00:00

Tool Information

Drill Pipe:	Length:	3938.00 ft	Diameter:	inches	Volume:	3825462 bbl	Tool Weight:	10000.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	- bbl	Tool Chased	1.00 ft
							String Weight: Initial	50000.00 lb
							Final	50000.00 lb

Drill Pipe Above KB: 7.50 ft
Depth to Top Packer: 3959.00 ft
Depth to Bottom Packer: ft
Interval betw een Packers: 39.00 ft
Tool Length: 67.50 ft
Number of Packers: 2 Diameter: 6.75 inches
Tool Comments:

Tool Description	**Length (ft)**	**Serial No.**	**Position**	**Depth (ft)**	**Accum. Lengths**	
Shut In Tool	5.00			3935.50		
Hydraulic tool	6.00			3941.50		
Jars	4.00			3945.50		
Safety Joint	2.50			3948.00		
Top Packer	6.50			3954.50		
Packer	4.50			3959.00	28.50	Bottom Of Top Packer
Anchor	34.00			3993.00		
Recorder	0.00	9119	Inside	3993.00		
Recorder	0.00	9139	Outside	3993.00		
Bullnose	5.00			3998.00	39.00	Anchor Tool
Total Tool Length:	**67.50**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 2**

Test Start: 2023.10.02 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 64.00 sec/qt
Water Loss: 5.40 in³
Resistivity: 0.00 ohm.m
Salinity: 2800.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	OCDM	

Total Length: 6.00 ft Total Volume: bbl

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

DRILL STEM TEST REPORT

GAS RATES

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 2**

Test Start: 2023.10.02 @ 00:00:00

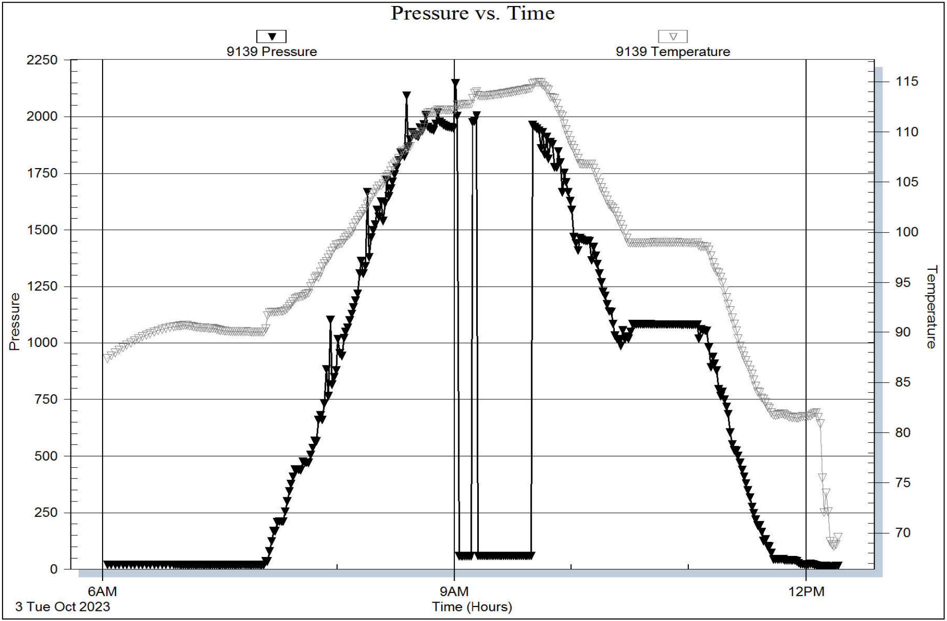
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

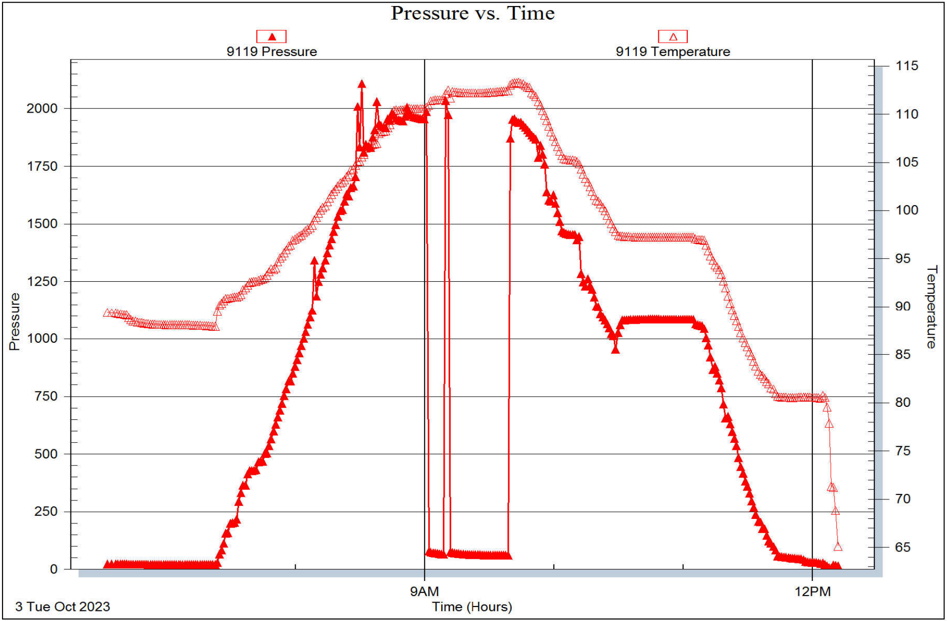
Serial #: 9139 Satchell Creek Petroleum Hobbs A8-34 DST Test Number: 2



Pressure vs. Time

Eagle Testers Ref. No: 01606 Printed: 2023.10.04 @ 13:55:11

Serial #: 9119 Satchell Creek Petroleum Hobbs A8-34 DST Test Number: 2


Pressure vs. Time

Eagle Testers Ref. No: 01606 Printed: 2023.10.04 @ 13:55:11

DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

Hobbs A8-34

SE-SW-NW-NW 34-10-25 - Graham County

Start Date: 2023.10.04 @ 09:08:20
End Date: 2023.10.06 @ 02:29:58
Job Ticket #: 01606 DST #: 3

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2023.10.04 @ 13:55:48

DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 3**

Test Start: 2023.10.04 @ 09:08:20

GENERAL INFORMATION:

Formation: **Lans F- G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:02:59
Time Test Ended: 02:29:58

Test Type: Conventional Straddle (Initial)
Tester: Chad F Geist
Unit No: 1

Interval: 3888.00 ft (KB) To 3920.00 ft (KB) (TVD)
Total Depth: 3920.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2494.00 ft (KB)
2486.00 ft (CF)
KB to GR/CF: 8.00 ft

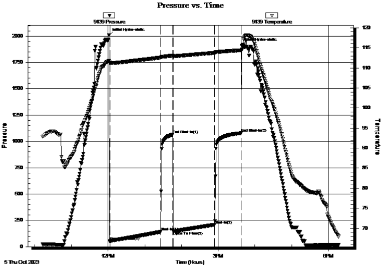
Serial #: 9139

Press@RunDepth: 208.94 psig @ ft (KB)
Start Date: 2023.10.04 End Date: 2023.10.06
Start Time: 09:08:20 End Time: 02:29:58

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2023.10.05 @ 12:01:29
Time Off Btm: 2023.10.05 @ 15:38:29

TEST COMMENT: 90-20-40-60

IO: Built to 1.75"
BB: N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.25	111.69	Initial Hydro-static
2	54.53	111.27	Open To Flow (1)
85	144.61	112.54	Shut-In(1)
105	1065.04	113.06	End Shut-In(1)
105	145.88	112.80	Open To Flow (2)
173	208.94	113.75	Shut-In(2)
216	1078.71	114.41	End Shut-In(2)
217	1907.86	114.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
428.00	MCW 95%W 5%DM	

Gas Rates

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

Eagle Testers
Great Bend, Kansas

DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 3**

Test Start: 2023.10.04 @ 09:08:20

GENERAL INFORMATION:

Formation: **Lans F- G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:02:59
Time Test Ended: 02:29:58

Interval: 3888.00 ft (KB) To 3920.00 ft (KB) (TVD)
Total Depth: 3920.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Straddle (Initial)
Tester: Chad F Geist
Unit No: 1

Reference Elevations: 2494.00 ft (KB)
2486.00 ft (CF)
KB to GR/CF: 8.00 ft

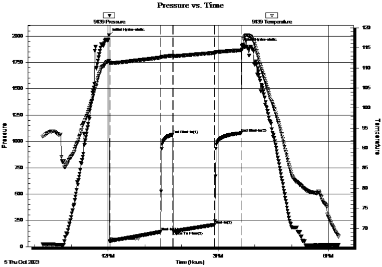
Serial #: 9119

Press@RunDepth:	psig @		ft (KB)
Start Date:	2023.10.04	End Date:	2023.10.05
Start Time:	09:09:34	End Time:	18:28:13

Capacity:	psig
Last Calib.:	1899.12.30
Time On Btm:	1899.12.30 @ 00:00:00
Time Off Btm:	1899.12.30 @ 00:00:00

TEST COMMENT: 90-20-40-60

IO: Built to 1.75"
BB: N/A



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
428.00	MCW 95%W 5%DM	

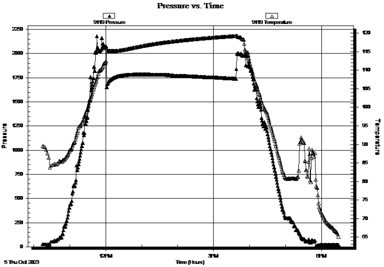
Gas Rates

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

Recovery Table

Length Recovery Table Volume

Length	Description	Volume



Eagle Testers
Great Bend, Kansas

DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 3**

Test Start: 2023.10.04 @ 09:08:20

Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl
					Total Volume:	- bbl

Tool Weight: 10000.00 lb
Weight set on Packer: 20000.00 lb
Weight to Pull Loose: 65000.00 lb
Tool Chased 2.00 ft
String Weight: Initial 52000.00 lb
Final 56000.00 lb

Drill Pipe Above KB: ft
Depth to Top Packer: ft
Depth to Bottom Packer: ft
Interval betw een Packers: 0.00 ft
Tool Length: 260.00 ft
Number of Packers: 3 Diameter: 6.75 inches
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			5.00		
Hydraulic tool	5.00			10.00		
Jars	5.00			15.00		
Safety Joint	2.00			17.00		
top Packer - Shale	5.00			22.00		
Packer - Shale	5.00			27.00		
Change Over Sub	0.75			27.75		
Drill Pipe	0.00			27.75		
Change Over Sub	0.75			28.50		
Anchor	24.00			52.50		
Recorder	0.00		Inside	52.50		
Recorder	0.00		Outside	52.50		
Blank Off Sub	1.00			53.50		
Packer - Shale	5.00			58.50		
Change Over Sub	0.75			59.25		
Drill Pipe	189.00	9119	Inside	248.25		
Change Over Sub	0.75	9139	Outside	249.00		
Anchor	6.00			255.00		
Recorder	0.00			255.00		
Bullnose	5.00			260.00	260.00	Anchor Tool

Total Tool Length: 260.00

DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 3**

Test Start: 2023.10.04 @ 09:08:20

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:	64.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.40 in^3	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
428.00	MCW 95%W 5%DM	

Total Length: 428.00 ft Total Volume: bbl

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

DRILL STEM TEST REPORT

GAS RATES

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 3**

Test Start: 2023.10.04 @ 09:08:20

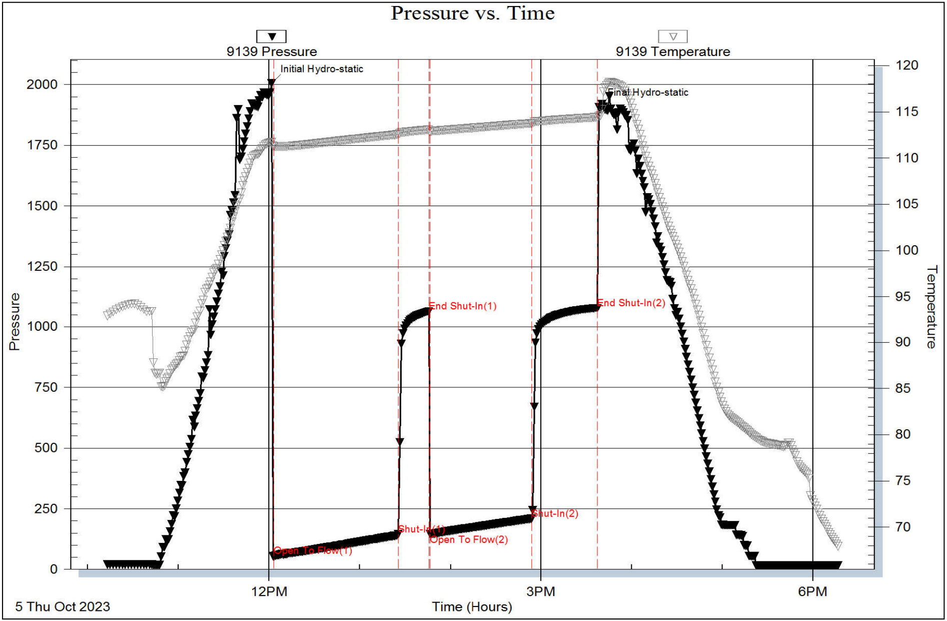
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

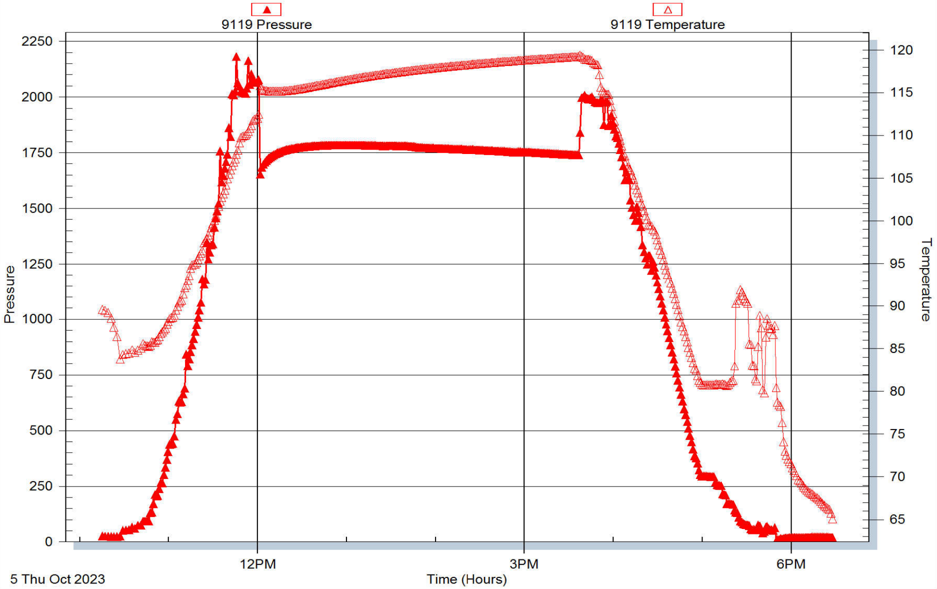
Serial #: 9139 Satchell Creek Petroleum Hobbs A8-34 DST Test Number: 3



Eagle Testers Ref. No: 01606 Printed: 2023.10.04 @ 13:55:52

Serial #: 9119 Satchell Creek Petroleum Hobbs A8-34 DST Test Number: 3

Pressure vs. Time



Eagle Testers Ref. No: 01606 Printed: 2023.10.04 @ 13:55:52

DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

Hobbs A8-34

SE-SW-NW-NW 34-10-25 - Graham County

Start Date: 2023.10.04 @ 13:50:17
End Date: 2023.10.06 @ 07:11:55
Job Ticket #: 01606 DST #: 4

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2023.10.04 @ 13:56:26

Satchell Creek Petroleum SE-SW-NW-NW 34-10-25 - Graham County Hobbs A8-34 DST # 4 Toronto - Lans A 2023.10.04

DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 4**

Test Start: 2023.10.04 @ 13:50:17

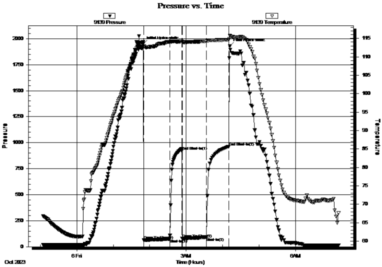
GENERAL INFORMATION:

Formation:	**Toronto - Lans A**		
Deviated:	No Whipstock: ft (KB)	Test Type:	Conventional Straddle (Initial)
Time Tool Opened:	01:50:26	Tester:	Chad
Time Test Ended:	07:11:55	Unit No:	1
Interval:	**3780.00 ft (KB) To 3820.00 ft (KB) (TVD)**	Reference Elevations:	2494.00 ft (KB)
Total Depth:	3820.00 ft (KB) (TVD)		2486.00 ft (CF)
Hole Diameter:	7.88 inches Hole Condition: Poor	KB to GR/CF:	8.00 ft

Serial #: 9139

Press@RunDepth:	91.27 psig @ ft (KB)			Capacity:	psig
Start Date:	2023.10.04	End Date:	2023.10.06	Last Calib.:	1899.12.30
Start Time:	13:50:17	End Time:	07:11:55	Time On Btm:	2023.10.06 @ 01:48:56
				Time Off Btm:	2023.10.06 @ 04:11:56

TEST COMMENT:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.95	114.00	Initial Hydro-static
2	62.73	112.87	Open To Flow (1)
44	75.78	114.02	Shut-In(1)
64	921.32	114.16	End Shut-In(1)
65	78.88	113.92	Open To Flow (2)
104	91.27	114.20	Shut-In(2)
141	961.79	114.66	End Shut-In(2)
143	1926.87	115.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	100% DM	

Gas Rates

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

DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 4**

Test Start: 2023.10.04 @ 13:50:17

GENERAL INFORMATION:

Formation: **Toronto - Lans A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:50:26
Time Test Ended: 07:11:55

Test Type: Conventional Straddle (Initial)
Tester: Chad
Unit No: 1

Interval: 3780.00 ft (KB) To 3820.00 ft (KB) (TVD)
Total Depth: 3820.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

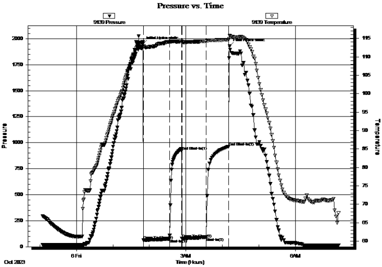
Reference Elevations: 2494.00 ft (KB)
2486.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 9119

Press@RunDepth: psig @ ft (KB)
Start Date: 2023.10.04 End Date: 2023.10.06
Start Time: 13:50:54 End Time: 07:10:32

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 1899.12.30 @ 00:00:00
Time Off Btm: 1899.12.30 @ 00:00:00

TEST COMMENT:



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	100% DM	

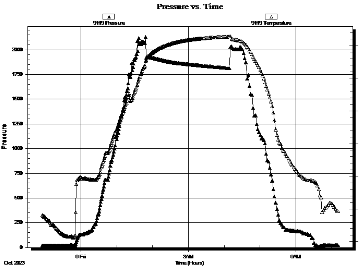
Gas Rates

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

Recovery Table

Length Recovery Table Volume

Length	Description	Volume



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 4**

Test Start: 2023.10.04 @ 13:50:17

Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl
					Total Volume:	- bbl

Drill Pipe Above KB: ft
Depth to Top Packer: ft
Depth to Bottom Packer: ft
Interval betw een Packers: 0.00 ft
Tool Length: 368.00 ft
Number of Packers: 3 Diameter: 6.75 inches
Tool Comments:

Tool Weight:	10000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	65000.00 lb
Tool Chased	1.00 ft
String Weight: Initial	52000.00 lb
Final	52000.00 lb

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			5.00		
Hydraulic tool	5.00			10.00		
Jars	5.00			15.00		
Safety Joint	2.00			17.00		
top Packer - Shale	5.00			22.00		
Packer - Shale	5.00			27.00		
Anchor	44.00			71.00		
Recorder	0.00		Inside	71.00		
Recorder	0.00		Outside	71.00		
Blank Off Sub	1.00			72.00		
Packer - Shale	5.00			77.00		
Change Over Sub	0.75			77.75		
Drill Pipe	284.50	9119	Inside	362.25		
Change Over Sub	0.00	9139	Outside	362.25		
Anchor	0.75			363.00		
Recorder	0.00			363.00		
Bullnose	5.00			368.00	368.00	Anchor Tool
Total Tool Length:	**368.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 4**

Test Start: 2023.10.04 @ 13:50:17

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:	64.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	100% DM	

Total Length: 70.00 ft Total Volume: bbl

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

DRILL STEM TEST REPORT

GAS RATES

Satchell Creek Petroleum

3032 N Cortina St.
Wichita, KS 67205

ATTN: Chris Leiker & Sean

SE-SW-NW-NW 34-10-25 - Graham County
Hobbs A8-34

Job Ticket: 01606 **DST#: 4**

Test Start: 2023.10.04 @ 13:50:17

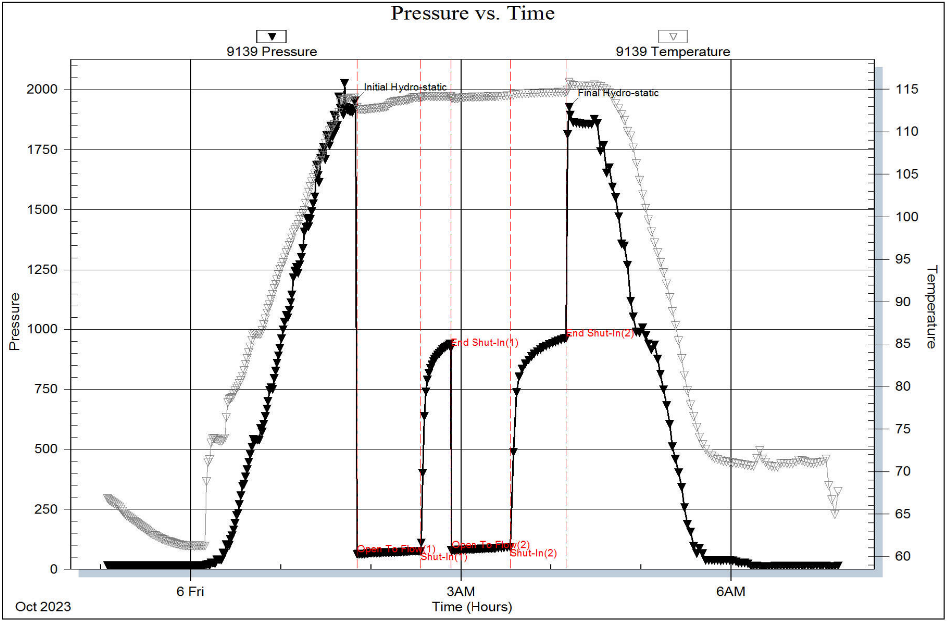
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

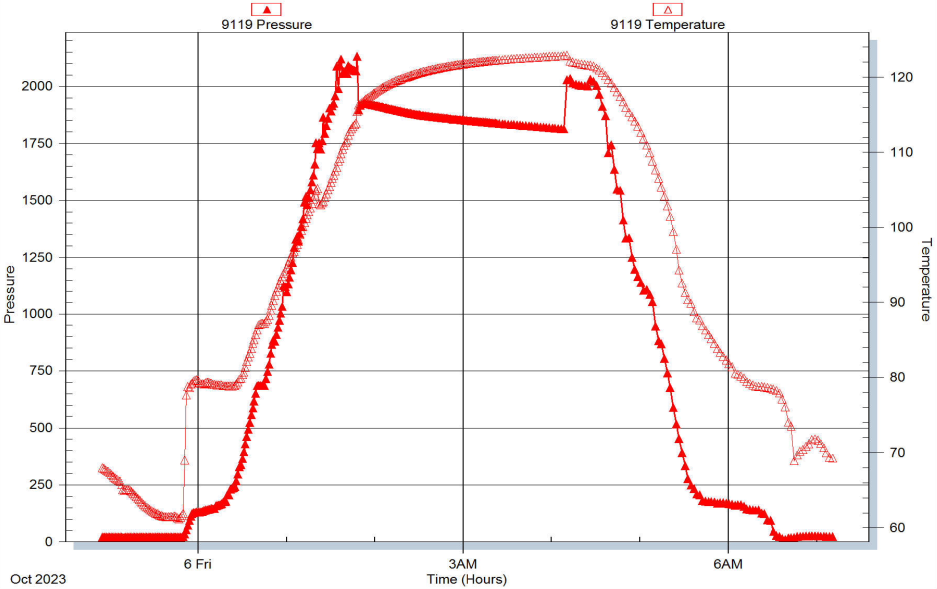
Serial #: 9139 Satchell Creek Petroleum Hobbs A8-34 DST Test Number: 4


Pressure vs. Time

Eagle Testers Ref. No: 01606 Printed: 2023.10.04 @ 13:56:30

Serial #: 9119 Satchell Creek Petroleum Hobbs A8-34 DST Test Number: 4

Pressure vs. Time



Eagle Testers Ref. No: 01606 Printed: 2023.10.04 @ 13:56:30