

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) (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	IA Operating, Inc.
Well Name	CLOCK 3-1
Doc ID	1646809

All Electric Logs Run

DIL
CDN
Sonic
Micro

JOB LOG

SWIFT Services, Inc.

DATE 05/22/22 PAGE NO. 1
TICKET NO. 35416

CUSTOMER		WELL NO.		LEASE		JOB TYPE		DESCRIPTION OF OPERATION AND MATERIALS	
ZA Operating		3-1		Clock		Deep surface			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)			
				T	C	TUBING	CASING		
	1700								On location w/ FE.
									RTD - 1290'
									31 JTs of 8 5/8" x 24#
									1273' pipe w/ 10' LJ set @ 1283'
									Shoe JT - 13.02'
									Centralizers on 1,2,3
	1830								Start casing w/ FE
	1945								Break Circulation on Btm
	2015								Hook up to Swift
		4	20				300		Pump KCL spacer
		6	20				300		Start Cmt, 350 sks 60/40 8% Gel
	2100	6	120				300		Mix @ 13# Finish 60/40
		4	20						Start Standard 2% gel, 3% CC
			24						Mix @ 15#
							VAC		Finish Cement, shut Down
									Drop Plug from Plug Container
									Start Displacement
		4	30				400		Catch Cement, Cement Circulated
		4	80				600		Lift to Surface
	2200	4	82				800		Land Plug
									Shut in, Release truck
									Washup
									Rack up
	2215								Job Complete

Thanks
Jon, Joe, Shane, Isaac

Scale 1:240 Imperial

Well Name: CLOCK #3-1
Surface Location: SW NW SW Sec. 3 - 20S - 18W
Bottom Location:
API: 15-145-21870
License Number: 33335
Spud Date: 5/21/2022 Time: 8:00 AM
Region: PAWNEE COUNTY KANSAS
Drilling Completed: 5/28/2022 Time: 11:55 PM
Surface Coordinates: 1455' FSL & 383' FWL
Bottom Hole Coordinates:
Ground Elevation: 2180.00ft
K.B. Elevation: 2188.00ft
Logged Interval: 3300.00ft To: 4110.00ft
Total Depth: 4109.00ft
Formation: BASAL PENN. SAND; ARBUCKLE
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

OPERATOR

Company: IA OPERATING, INC.
Address: 785 W COVELL RD
STE. 200
EDMOND, OK 73003-2389
Contact Geologist: JONATHAN ALLEN
Contact Phone Nbr: (316) 721-0036
Well Name: CLOCK #3-1
Location: SW NW SW Sec. 3 - 20S - 18W
API: 15-145-21870
Pool: State: KANSAS Field: CONKLING
Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.304063
Latitude: 38.338371
N/S Co-ord: 1455' FSL
E/W Co-ord: 383' FWL

LOGGED BY



Company: BIG CREEK CONSULTING, INC.
Address: 3504 DUNCAN ST
ST. JOE, MO 64507
Phone Nbr: (785) 259-3737
Logged By: GEOLOGIST Name: JEFF LAWLER

CONTRACTOR

Contractor: DISCOVERY DRILLING
Rig #: 4
Rig Type: MUD ROTARY
Spud Date: 5/21/2022 Time: 8:00 AM
TD Date: 5/28/2022 Time: 11:55 PM
Rig Release: 5/29/2022 Time: 2:30 PM

ELEVATIONS

K.B. Elevation: 2188.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 2180.00ft

NOTES

DUE TO LACK OF ECONOMICAL RECOVERY ON DRILL STEM TESTS, DECISION WAS MADE TO PLUG & ABANDON THE CLOCK #3-1.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

FORMATION	CLOCK #3-1				CLOCK #1				CLOCK #2				CLOCK #3								
	2188		2180		2179		2166		2180		2180		2180								
	KB	GL	KB	GL	KB	GL	KB	GL	KB	GL	KB	GL	KB	GL							
	LOG TOPS	SAMPLE TOPS	LOG	LOG	SMPL.	COMP. CARD	LOG	SMPL.	LOGS	LOG	SMPL.	COMP. CARD	LOG	SMPL.							
ANHYDRITE TOP			1274	914	1265	914			1262	904			1310	870			1270	910			+ 4
BASE	1302	886	1304	884	1294	885	+ 1	- 1	1287	879	+ 7	+ 5					1300	880	+ 6	+ 4	
TOPEKA					3218	-1039											3220	-1040			
HEEBNER SHALE	3569	-1381	3571	-1383	3554	-1375	- 6	- 8	3552	-1386	+ 5	+ 3	3567	-1387	+ 6	+ 4	3574	-1394	+ 13	+ 11	
TORONTO	3586	-1398	3589	-1401	3572	-1393	- 5	- 8	3571	-1405	+ 7	+ 4	3584	-1404	+ 6	+ 3					
LKC	3620	-1432	3620	-1432	3606	-1427	- 5	- 5	3602	-1436	+ 4	+ 4	3618	-1438	+ 6	+ 6	3622	-1442	+ 10	+ 10	
BKC	3910	-1722	3912	-1724	3900	-1721	- 1	- 3	3892	-1726	+ 4	+ 2									
CONGLOMERATE																					
ARBUCKLE	4047	-1859	4046	-1858	4052	-1873	+ 14	+ 15	4019	-1853	- 6	- 5	4025	-1845	- 14	- 13	4020	-1840	- 19	- 18	
TOTAL DEPTH	4110	-1922	4109	-1921	4143	-1964	+ 42	+ 43	4071	-1905	- 17	- 16	4035	-1855	- 67	- 66	4076	-1896	- 26	- 25	

DST #1 BASAL PENN. SAND 4006' - 4025'



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
County: PAWNEE
State: Kansas
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
Elevation: 2180 GL
Field Name: Conkling
Pool: Infield
Job Number: 574
API #: 15-145-21870

Operation:

Uploading recovery & pressures

DATE

May
27
2022

DST #1

Formation: Basal Penn Sand

Test Interval: 4006 - 4025'

Total Depth: 4025'

Time On: 19:18 05/27

Time Off: 02:09 05/28

Time On Bottom: 21:53 05/27

Time Off Bottom: 22:53 05/27

Recovered

Foot 1
BBLs 0.00492

Description of Fluid
SLOCM

Gas % 0

Oil % 1

Water % 0

Mud % 99

Total Recovered: 1 ft

Total Barrels Recovered: 0.00492

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure 1916 PSI
Initial Flow 11 to 12 PSI
Initial Closed in Pressure 16 PSI
Final Flow Pressure 12 to 13 PSI
Final Closed in Pressure 19 PSI
Final Hydrostatic Pressure 1912 PSI
Temperature 110 °F

Pressure Change Initial Close / Final Close 0.0 %

GIP cubic foot volume: 0

DST #1 BASAL PENN. SAND 4006' - 4025'



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
 County: PAWNEE
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2180 GL
 Field Name: Conkling
 Pool: Infield
 Job Number: 574
 API #: 15-145-21870

Operation:
 Uploading recovery &
 pressures

DATE
 May
27
 2022

DST #1 **Formation: Basal Penn Sand** **Test Interval: 4006 - 4025'** **Total Depth: 4025'**
 Time On: 19:18 05/27 Time Off: 02:09 05/28
 Time On Bottom: 21:53 05/27 Time Off Bottom: 22:53 05/27

Electronic Volume
 Estimate:
 2'

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

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

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

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

Inside Recorder



— Press(Psig) — Temp(F)

DST #2 ARBUCKLE 4008' - 4055'



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
 County: PAWNEE
 State: Kansas
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
 Elevation: 2180 GL
 Field Name: Conkling
 Pool: Infield
 Job Number: 574
 API #: 15-145-21870

Operation:
 Uploading recovery & pressures

DATE
 May
28
 2022

DST #2 **Formation: Arbuckle** **Test Interval: 4008 - 4055'** **Total Depth: 4055'**
 Time On: 21:36 05/28 Time Off: 16:27 05/28
 Time On Bottom: 11:38 05/28 Time Off Bottom: 14:08 05/28

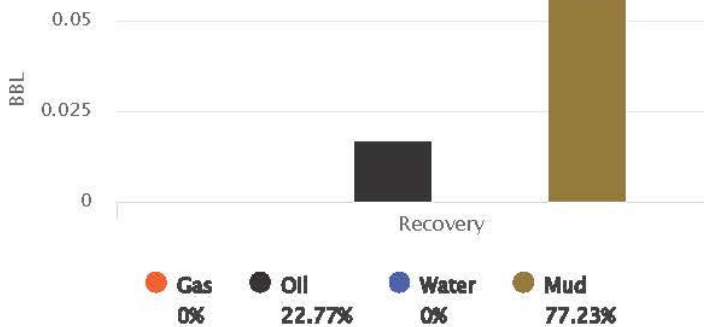
<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BELS</u>					
1	0.01423	O	0	100	0	0
5	0.06184	SLOCM	0	5	0	95

Total Recovered: 6 ft
 Total Barrels Recovered: 0.07607

Reversed Out
 NO

Initial Hydrostatic Pressure	1930	PSI
Initial Flow	12 to 13	PSI
Initial Closed in Pressure	548	PSI
Final Flow Pressure	13 to 15	PSI
Final Closed in Pressure	424	PSI
Final Hydrostatic Pressure	1928	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	22.7	%

Recovery at a glance



GIP cubic foot volume: 0

DST #2 ARBUCKLE 4008' - 4055'



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
 County: PAWNEE
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2180 GL
 Field Name: Conkling
 Pool: Infield
 Job Number: 574
 API #: 15-145-21870

Operation:
 Uploading recovery &
 pressures

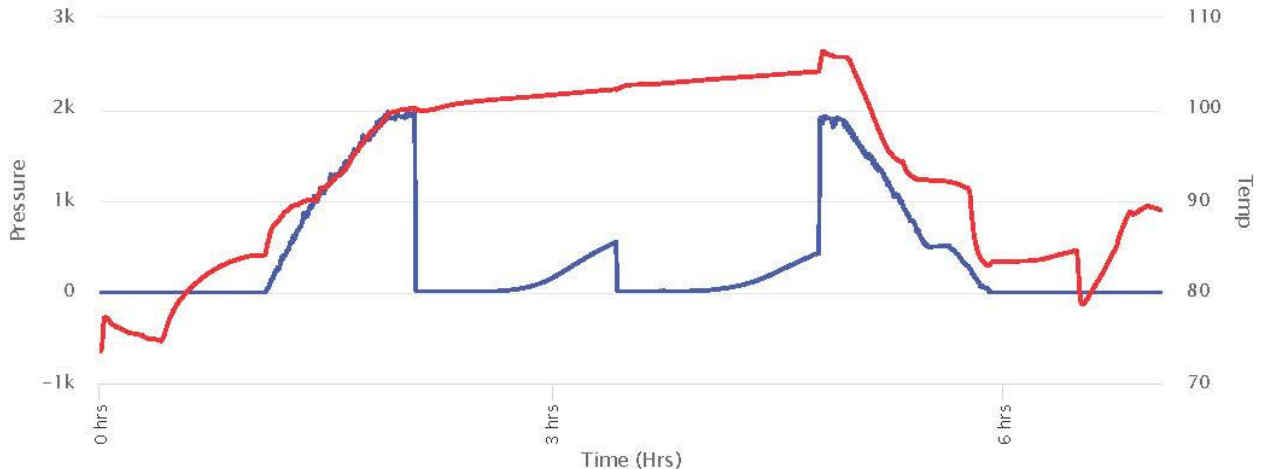
DATE
 May
28
 2022

DST #2 Formation: Arbuckle Test Interval: 4008 - Total Depth: 4055'
 4055'
 Time On: 21:36 05/28 Time Off: 16:27 05/28
 Time On Bottom: 11:38 05/28 Time Off Bottom: 14:08 05/28

Electronic Volume
 Estimate:
 26'

1st Open	1st Close	2nd Open	2nd Close
Minutes: 30	Minutes: 45	Minutes: 30	Minutes: 45
Current Reading: .75" at 30 min	Current Reading: .1" at 45 min	Current Reading: 1.5" at 30 min	Current Reading: 0" at 45 min
Max Reading: .75"	Max Reading: .1"	Max Reading: 1.5"	Max Reading: 0"

Inside Recorder



— Press(Psig) — Temp(F)

ROCK TYPES

	Cht		Dolprim		shale, grn		shale, red
	Cht vari		Dolsec		shale, gry		Shcol
	Congl		Lmst fw7>		Carbon Sh		Ss

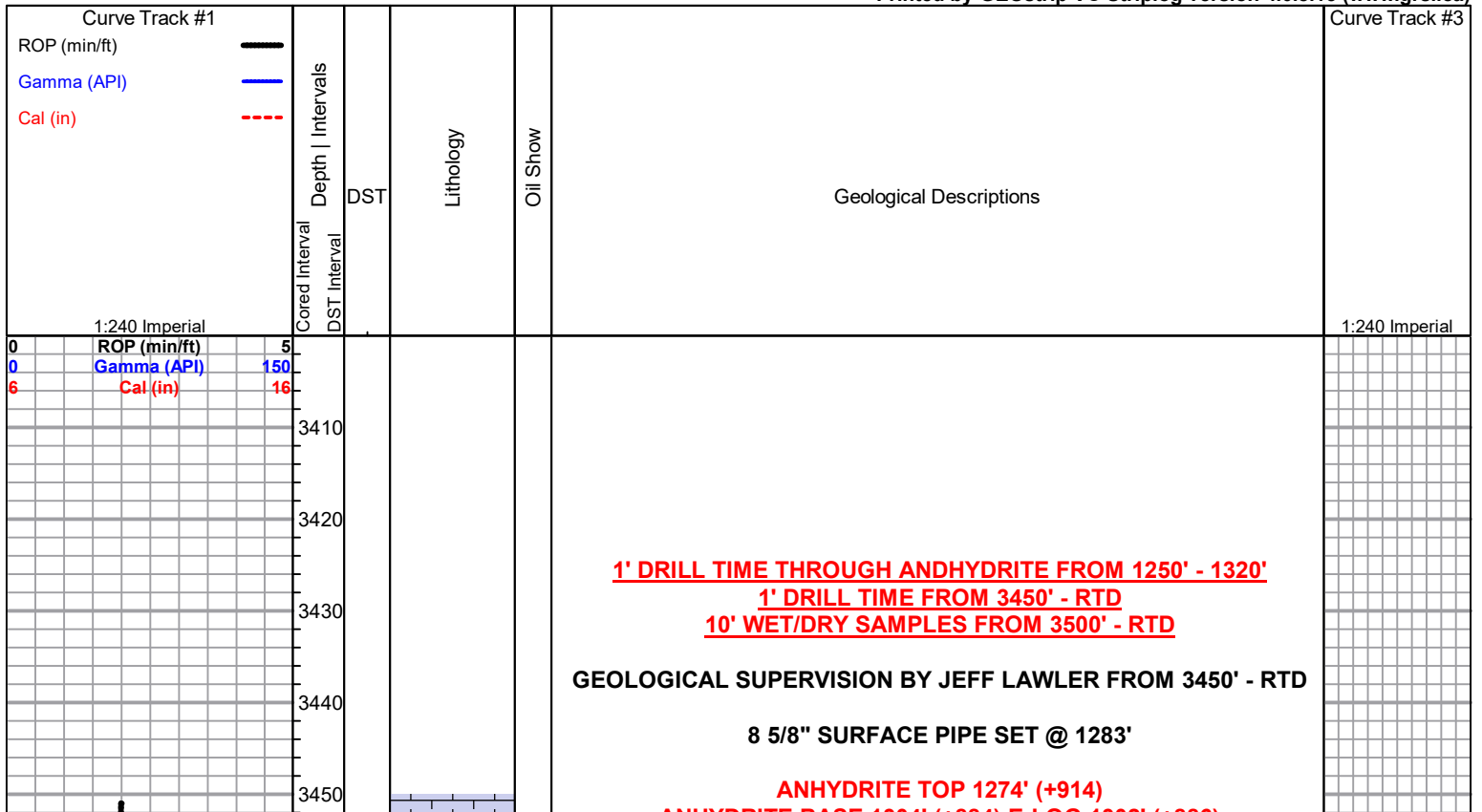
ACCESSORIES

STRINGER
 green shale

OTHER SYMBOLS

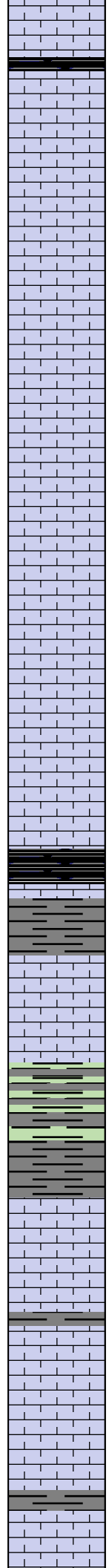
DST
 DST Int
 DST alt

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3460
3470
3480
3490
3500
3510
3520
3530
3540
3550
3560
3570
3580
3590
3600
3610
3620
3630
3640
3650
3660
3670

0 POP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16



Lm- Cream Buff, FXLN, fsl & oolitic, dns XLN porosity

Lm/Chert- Tan Cream, VFXLN, sl fsl dns tight cherty Ls w/ min. vis. porosity, milky white & lt gray vitreous fresh bedded fsl chert

Lm- Cream Buff, FXLN, sl fsl dolomitic Ls w/ consistent XLN porosity throughout, barren

Lm- Lt Gray, VFXLN, dns tight sl fsl cherty Ls w/ no vis. porosity

Lm- Cream Off White, VF-FXLN, dns, well cemented, tight w/ sctrd XLN porosity, barren, some mottled

Lm- Cream Lt Gray, FXLN, well cemented, dns microXLN & vry fn ppt porosity, hvy mottled, barren, Vf Grn arnaceous Ls

Lm/Chert- Cream, FXLN, dns, tight, sl fsl, dns microXLN por, barren, White vitreous fresh bedded cryptoXLN chert

Lm- Cream Lt Gray, VF-FXLN, dns, tight fsl, sl cherty, dns microXLN porosity, sctrd mottling

HEEBNER 3571' (-1383) E-LOG 3569' (-1381) Sh- Black Gray Maroon Green, fissile & carbonaceous, waxy, sl calcareous

TORONTO 3589' (-1401) E-LOG 3586' (-1398) Lm- Off White, FXLN, mix of dolomitic Ls & cherty Ls, dns XLN & vry fn ppt porosity, few w/ secondary reXLN veins, barren

Sh- Gray Green Maroon, sl sandy, calcareous, earthy

LKC 3620' (-1432) E-LOG 3620' (-1432) Lm- Off White, F-MedXLN, well dev. grainy, dns XLN & sctrd fn ppt por, some soft white chalk, vry clean, barren

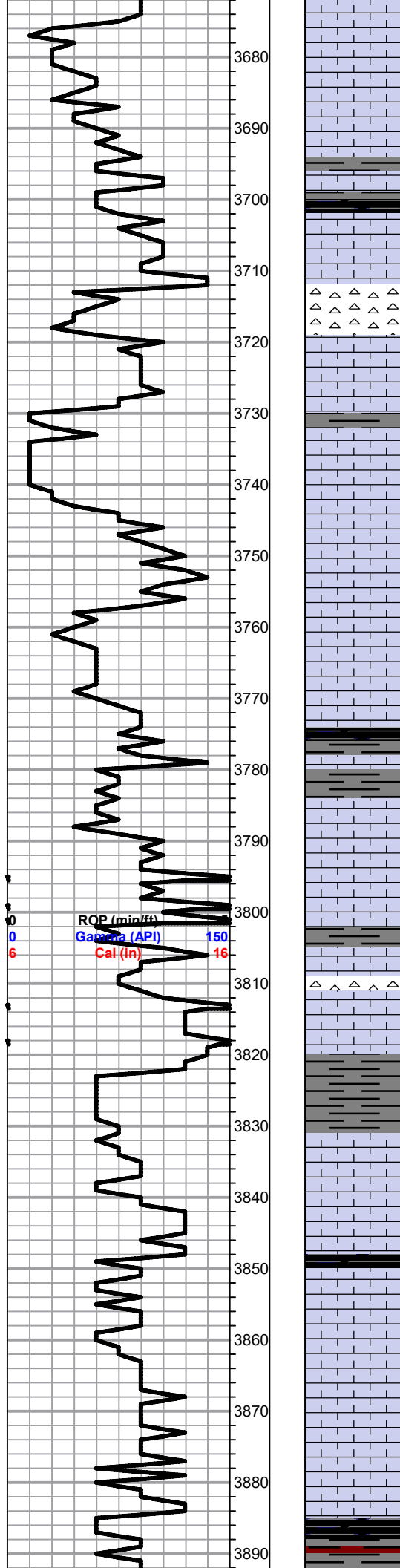
Lm- Cream, FXLN, sl fsl, hvy fractured por, barren

Lm- Cream, FXLN, mix of sl fsl, dns XLN & secondary reXLN por & some tight dolomitic Ls w/ dns XLN throughout, all barren

Lm- Cream, FXLN, oolitic w/ sctrd oomolds, dns XLN & sctrd fn ppt & vuggy por, barren

Sh- Gray Maroon, waxy, sl fsl, earthy

Lm- Cream Off White, FXLN, fsl & sl oolitic, dns XLN porosity, sctrd chlorite



inclusions

Lm- Off White, VF-FXLN, A/A less dev. w/ dns XLN , several pcs of milky white fsl fresh bedded chert

Lm- Cream Buff, VF-MedXLN, mix of VFXLN, dns tight matrix w/ sctrd XLN & ppt por, & VFXLN tight cherty Ls w/ min. vis. por.

Sh- Black Gray Maroon, fissile & carbonaceous, calcareous, earthy

Lm- Tan, FXLN, brittle, sl fsl, dns XLN por



Chert- Milky White Golden Brown, oolitic vitreous fresh bedded, cryptoXLN

Lm- Cream Tan, VF-FXLN, dns brittle oolitic Ls w/ dns XLN por, barren

Lm- Tan, FXLN, oomoloidic w/ dns XLN & dns vuggy por, barren

Lm- Cream Tan, VFXLN, dns brittle sl cherty oolitic Ls w/ sctrd XLN por.

Lm- Cream Off White, VFXLN, dns, well cemented, sl fsl, sparse XLN por.

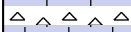
Lm- Tan Buff, VFXLN, dns well cemented cherty Ls w/ sparse XLN por., some soft white chalk

Sh- Black Gray Maroon Green, fissile & carbonaceous, waxy, micro pyrite inclusions

Lm- Buff, VFXLN, tight dns cherty Ls w/ sparse sctrd vuggy por, some sctrd reXLN por, barren

ROP (min/ft)
Gamma (API) 150
Cal (in) 16

Lm- Cream, VFXLN, tight cherty Ls w/ sctrd XLN & ppt por, barren



Lm/Chert- Cream Off White Golden Yellow, VFXLN, tight cherty sl fsl Ls w/ sctrd-dns XLN por, several pcs of fresh bedded vitreous chert

Sh- Gray Green, semi-waxy, calcareous

Lm- Off White, VF-FXLN, mix of massive, oolitic w/ dns XLN & strd micro ppt por, & loosely cemented tight Ls, some chalky in part, vry clean & barren

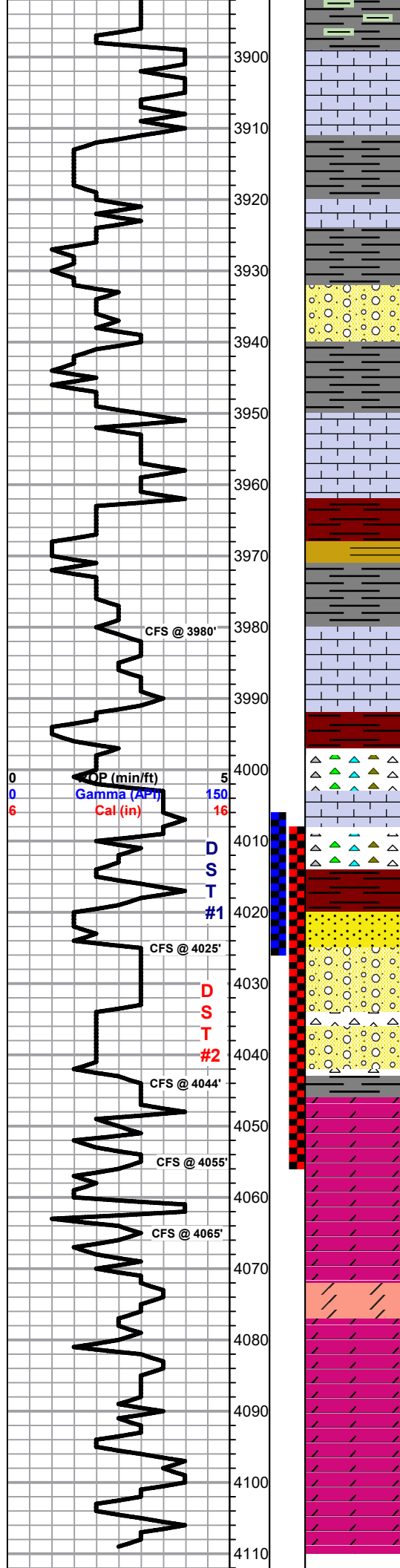
Sh- Black Gray, fissile & carbonaceous, semi-waxy

Lm- Cream Tan, VF-FXLN, fsl mix w/ dns XLN & sctrd XLN w/ sparse ppt porosity, few w/ secondary reXLN por., barren

Lm- Tan Buff, VFXLN, cherty Ls w/o vis. por

Lm- Cream Tan, VFXLN, densely packed small oolites, tight w/ sctrd micro por, few loose crinoids, barren

Sh- Black Gray Maroon Green, carbonaceous, waxy, calcareous



Lm/Chert- Lt Gray, VF-FXLN, trashy high-energy fsl mix of tight Ls & fresh bedded chert

BKC 3912' (-1724) E-LOG 3910' (-1722) Sh- Black Gray, carbonaceous, micaceous & calcareous

Lm- Tan w/ Maroon tint, conglomerate VFXLN, sctrd XLN por

Sh- Gray, semi-waxy, calcareous, few carbon rich

Lm- Maroon Tan w/ Maroon tight, conglomerate FXLN, sctrd-dns XLN por

Sh- Gray Maroon, sl sandy, sl calcareous, earthy

Lm- White Cream, VFXLN, dns, well cemented & tight w/ sctrd XLN porosity

Sh- Maroon Gray Mustard Yellow, striated conglomerate shales, some sl fsl

Sh- A/A

Lm- Cream Tan, VF-FXLN, dns, massive, trashy, sctrd XLN por

Sh- Maroon Gray Purple, waxy, calcareous

Chert-Variou dark colored fresh bedded & conglomerate chert

Lm- Cream Tan, VFXLN, tight sl fsl cherty Ls w/ sctrd XLN por.

Sh- Maroon Gray Green Purple, waxy, few w/ small qtz inclusions, some argillaceous wash

Ss- Frosted, Fn Grn, consolidated & well sorted, sub-rounded to rounded & mature, friable, some chalk w/ pebble inclusions, some better cemented, no chalk, LT STN, NSFO, NO ODR

Conglomerate- Sh/Chert, various dark colored waxy Sh Chert- Salmon Golden Yellow White Maroon, opaque fresh bedded & conglomerate chert, several pcs oolitic

Chert- A/A

ARBUCKLE 4046' (-1858) E-LOG 4047' (-1859) Dol- Tan Buff White, VF-Med XLN, mix of tigt VFXLN w/ micro XLN por throughout, friable FXLN w/ XLN por throughout, & white sucrosic F-Med XLN w/ ppt interXLN throughout, ALL W/ SCTRD DRK STN, FEW PCS W/ SHW FO, FR SULPHURIC ODR

Dol- Cream White, CryptoXLN sl dolomitic chert w/ sctrd micro XLN por & loosely cemented, sl chalky FXLN dolomite w/ consistent XLN por, all barren

Lm- Off White, VF-FXLN, mix of tight VFXLN w/ micro XLN por, & sl limey dolo w/ sctrd XLN por, vry clean & barren

Dol- Cream, FXLN, dns, consistent micro XLN throughout

Dol- Off White, F-Med XLN, sub-sucrosic, dsn XLN & vry fn ppt por

A/A

SHORT TRIP CTCH

SURVEY 1 1/2 STRAP -0.49'

DST #1 BASAL PENN SAND 4006' - 4025' 30-30-30-30

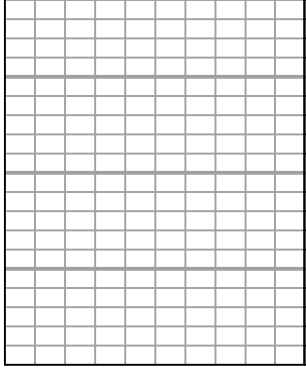
1' SLOCM (1% O, 99% M)

IFP: 11-12#
FFP: 12-13#
SIP: 16-19#

DST #2 ARBUCKLE 4008' - 4055' 30-45-30-45

1' OIL 5' SLOCM (5% O, 95% M)

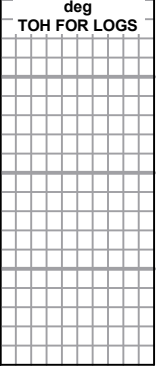
IFP: 12-13#
FFP: 13-15#
SIP: 548-424#
BHT: 104 deg.



4120
4130
4140

Blank vertical column.

Blank large central area.



deg
TOH FOR LOGS



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
 County: PAWNEE
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2180 GL
 Field Name: Conkling
 Pool: Infield
 Job Number: 574
 API #: 15-145-21870

Operation:
 Uploading recovery &
 pressures

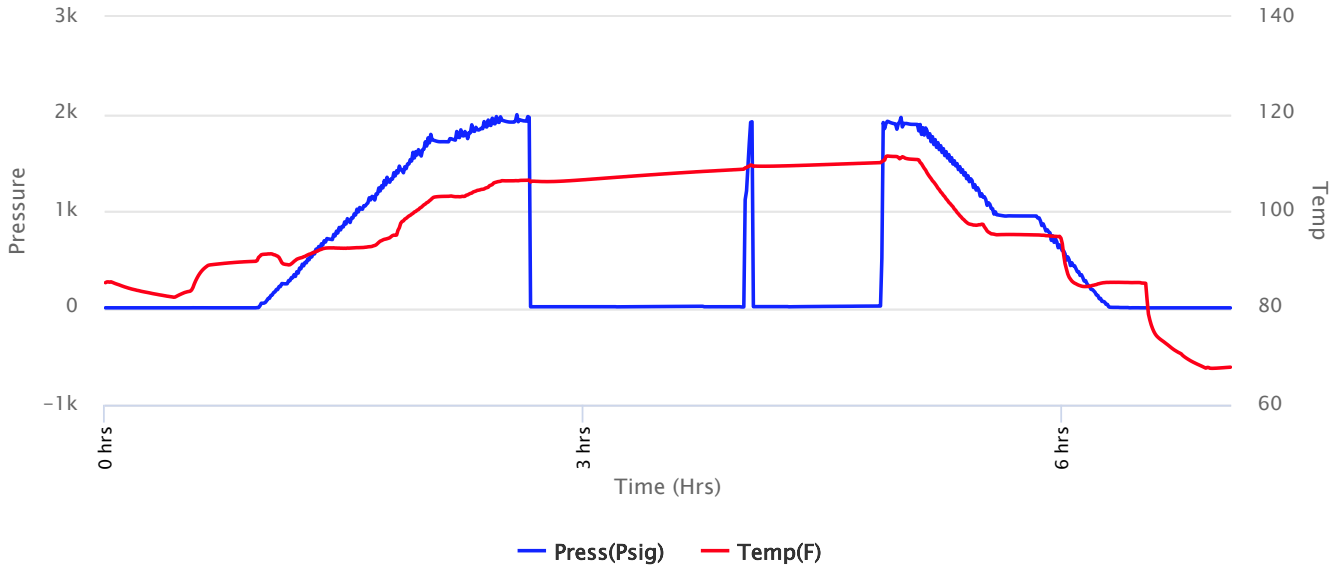
DATE
 May
27
 2022

DST #1 **Formation: Basal Penn Sand** **Test Interval: 4006 - 4025'** **Total Depth: 4025'**
 Time On: 19:18 05/27 Time Off: 02:09 05/28
 Time On Bottom: 21:53 05/27 Time Off Bottom: 22:53 05/27

Electronic Volume
 Estimate:
 2'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: .1" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min
Max Reading: .1"	Max Reading: 0"	Max Reading: 0"	Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
 County: PAWNEE
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2180 GL
 Field Name: Conkling
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Operation:
 Uploading recovery &
 pressures

DATE
 May
27
 2022

DST #1 **Formation: Basal Penn Sand** **Test Interval: 4006 - 4025'** **Total Depth: 4025'**
 Time On: 19:18 05/27 Time Off: 02:09 05/28
 Time On Bottom: 21:53 05/27 Time Off Bottom: 22:53 05/27

Recovered

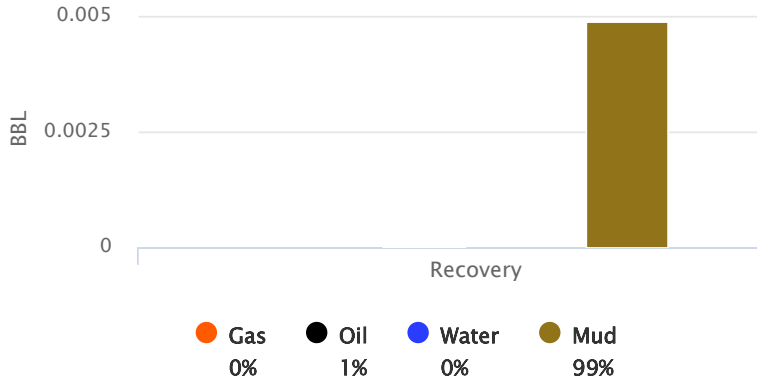
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1	0.00492	SLOCM	0	1	0	99

Total Recovered: 1 ft
 Total Barrels Recovered: 0.00492

Reversed Out
 NO

Initial Hydrostatic Pressure	1916	PSI
Initial Flow	11 to 12	PSI
Initial Closed in Pressure	16	PSI
Final Flow Pressure	12 to 13	PSI
Final Closed in Pressure	19	PSI
Final Hydrostatic Pressure	1912	PSI
Temperature	110	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 0



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
County: PAWNEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2180 GL
Field Name: Conkling
Pool: Infield
Job Number: 574
API #: 15-145-21870

Operation:
Uploading recovery &
pressures

DATE
May
27
2022

DST #1	Formation: Basal Penn Sand	Test Interval: 4006 - 4025'	Total Depth: 4025'
	Time On: 19:18 05/27	Time Off: 02:09 05/28	
	Time On Bottom: 21:53 05/27	Time Off Bottom: 22:53 05/27	

BUCKET MEASUREMENT:

1st Open: WSB. Blow didn't build

1st Close: NOBB

2nd Open: No Blow

2nd Close: NOBB

REMARKS:

Unseated the packers while trying to flush the tool.

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



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
 County: PAWNEE
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2180 GL
 Field Name: Conkling
 Pool: Infield
 Job Number: 574
 API #: 15-145-21870

Operation:
 Uploading recovery &
 pressures

DATE
 May
27
 2022

DST #1 **Formation: Basal Penn Sand** **Test Interval: 4006 - 4025'** **Total Depth: 4025'**
 Time On: 19:18 05/27 Time Off: 02:09 05/28
 Time On Bottom: 21:53 05/27 Time Off Bottom: 22:53 05/27

Down Hole Makeup

Heads Up: 40.82 FT	Packer 1: 4001 FT
Drill Pipe: 4013.25 FT <i>ID-3 1/2</i>	Packer 2: 4006 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3990.42 FT
Collars: 1 FT <i>ID-2 1/4</i>	Bottom Recorder: 4008 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 19	Surface Choke: 1"
Anchor Makeup	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): 18 FT <i>4 1/2-FH</i>	



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
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Company, Inc. - Rig 2
Elevation: 2180 GL
Field Name: Conkling
Pool: Infield
Job Number: 574
API #: 15-145-21870

Operation:
Uploading recovery &
pressures

DATE
May
27
2022

DST #1 **Formation: Basal Penn Sand** **Test Interval: 4006 - 4025'** **Total Depth: 4025'**
Time On: 19:18 05/27 Time Off: 02:09 05/28
Time On Bottom: 21:53 05/27 Time Off Bottom: 22:53 05/27

Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 47 **Filtrate:** 5.4 **Chlorides:** 5000 ppm



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Lease: Clock #3-1

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 Field Name: Conkling
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Operation:
 Uploading recovery &
 pressures

DATE
 May
27
 2022

DST #1 **Formation: Basal Penn Sand** **Test Interval: 4006 - 4025'** **Total Depth: 4025'**
 Time On: 19:18 05/27 Time Off: 02:09 05/28
 Time On Bottom: 21:53 05/27 Time Off Bottom: 22:53 05/27

Gas Volume Report

1st Open

2nd Open

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

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



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
 County: PAWNEE
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 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2180 GL
 Field Name: Conkling
 Pool: Infield
 Job Number: 574
 API #: 15-145-21870

Operation:
 Uploading recovery &
 pressures

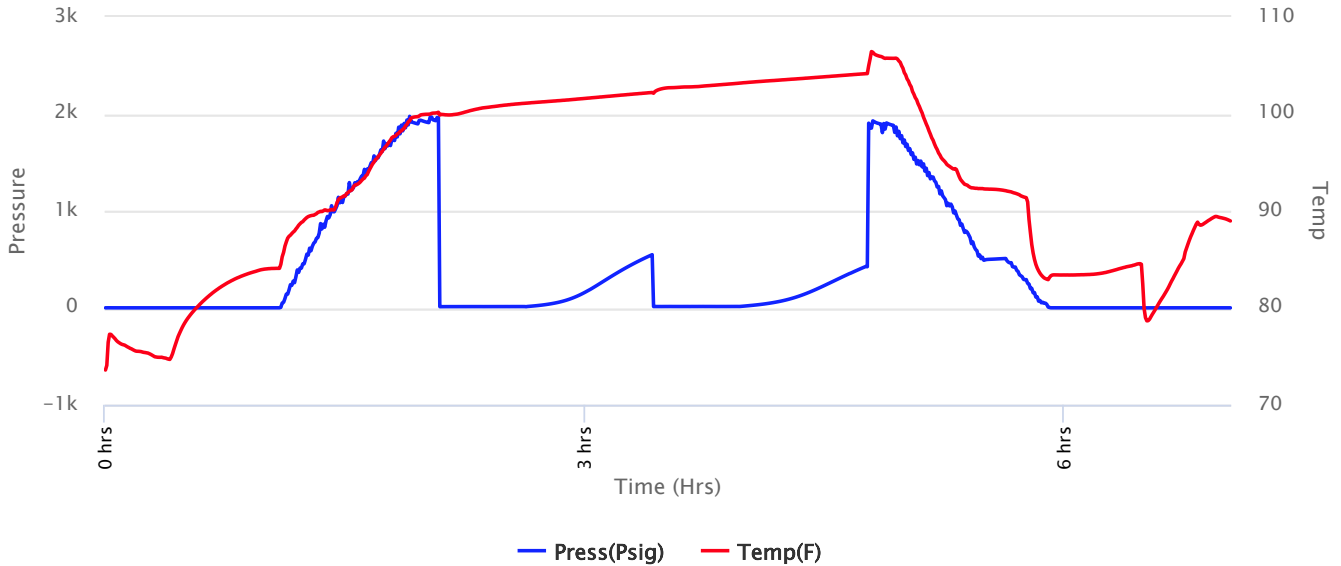
DATE
 May
28
 2022

DST #2 Formation: Arbuckle Test Interval: 4008 - Total Depth: 4055'
4055'
 Time On: 21:36 05/28 Time Off: 16:27 05/28
 Time On Bottom: 11:38 05/28 Time Off Bottom: 14:08 05/28

Electronic Volume
 Estimate:
 26'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 45	Minutes: 30	Minutes: 45
Current Reading: .75" at 30 min	Current Reading: .1" at 45 min	Current Reading: 1.5" at 30 min	Current Reading: 0" at 45 min
Max Reading: .75"	Max Reading: .1"	Max Reading: 1.5"	Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
 County: PAWNEE
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 2
 Elevation: 2180 GL
 Field Name: Conkling
 Pool: Infield
 Job Number: 574
 API #: 15-145-21870

Operation:
 Uploading recovery &
 pressures

DATE
 May
28
 2022

DST #2 Formation: Arbuckle Test Interval: 4008 - Total Depth: 4055'
4055'
 Time On: 21:36 05/28 Time Off: 16:27 05/28
 Time On Bottom: 11:38 05/28 Time Off Bottom: 14:08 05/28

Recovered

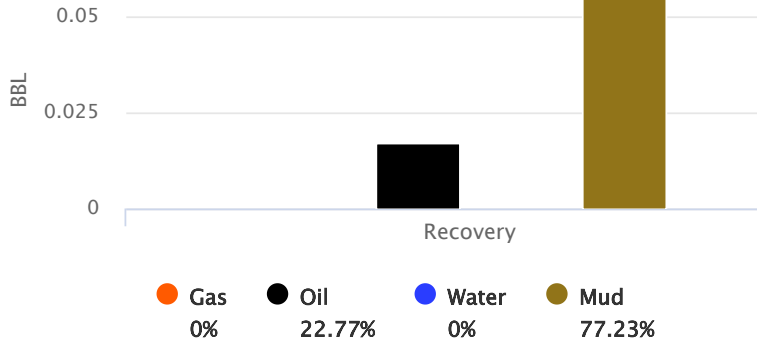
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1	0.01423	O	0	100	0	0
5	0.06184	SLOCM	0	5	0	95

Total Recovered: 6 ft
 Total Barrels Recovered: 0.07607

Reversed Out
 NO

Initial Hydrostatic Pressure	1930	PSI
Initial Flow	12 to 13	PSI
Initial Closed in Pressure	548	PSI
Final Flow Pressure	13 to 15	PSI
Final Closed in Pressure	424	PSI
Final Hydrostatic Pressure	1928	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	22.7	%

Recovery at a glance



GIP cubic foot volume: 0



Company: IA Operating, Inc.
Lease: Clock #3-1

SEC: 3 TWN: 20S RNG: 18W
County: PAWNEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2180 GL
Field Name: Conkling
Pool: Infield
Job Number: 574
API #: 15-145-21870

Operation:
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pressures

DATE
May
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2022

DST #2 Formation: Arbuckle Test Interval: 4008 - Total Depth: 4055'
4055'
Time On: 21:36 05/28 Time Off: 16:27 05/28
Time On Bottom: 11:38 05/28 Time Off Bottom: 14:08 05/28

BUCKET MEASUREMENT:

1st Open: WSB. Built to 3/4 inch in 30 minutes
1st Close: Weak Blow Back
2nd Open: Weak Blow. Blow did not build.
2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 7% Oil 0% Water 93% Mud



Company: IA Operating, Inc.
Lease: Clock #3-1

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Company, Inc. - Rig 2
Elevation: 2180 GL
Field Name: Conkling
Pool: Infield
Job Number: 574
API #: 15-145-21870

Operation:
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pressures

DATE
May
28
2022

DST #2 Formation: Arbuckle Test Interval: 4008 - 4055' Total Depth: 4055'

Time On: 21:36 05/28 Time Off: 16:27 05/28
Time On Bottom: 11:38 05/28 Time Off Bottom: 14:08 05/28

Down Hole Makeup

Heads Up:	8.20999999999998 FT	Packer 1:	4002.82 FT
Drill Pipe:	3982.46 FT	Packer 2:	4007.82 FT
<i>ID-3 1/2</i>		Top Recorder:	3992.24 FT
Weight Pipe:	FT	Bottom Recorder:	4044 FT
<i>ID-2 7/8</i>		Well Bore Size:	7 7/8
Collars:	1 FT	Surface Choke:	1"
<i>ID-2 1/4</i>		Bottom Choke:	5/8"
Test Tool:	33.57 FT		
<i>ID-3 1/2-FH</i>			
<i>Jars</i>			
<i>Safety Joint</i>			
Total Anchor:	47.18		
<u>Anchor Makeup</u>			
Packer Sub:	1 FT		
Perforations: (top):	1 FT		
<i>4 1/2-FH</i>			
Change Over:	.5 FT		
Drill Pipe: (in anchor):	31.68 FT		
<i>ID-3 1/2</i>			
Change Over:	1 FT		
Perforations: (below):	12 FT		
<i>4 1/2-FH</i>			



Company: IA Operating, Inc.
Lease: Clock #3-1

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Company, Inc. - Rig 2
Elevation: 2180 GL
Field Name: Conkling
Pool: Infield
Job Number: 574
API #: 15-145-21870

Operation:
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pressures

DATE
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28
2022

DST #2 Formation: Arbuckle Test Interval: 4008 - Total Depth: 4055'
4055'
Time On: 21:36 05/28 Time Off: 16:27 05/28
Time On Bottom: 11:38 05/28 Time Off Bottom: 14:08 05/28

Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 55 **Filtrate:** 6.4 **Chlorides:** 5700 ppm

JOB LOG

SWIFT Services, Inc.

DATE	PAGE NO.
5-29-2022	1
TICKET NO.	
34220	

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
L.A. OPERATING		3-1		CLOCK		P.T.A.		34220	
CHART NO.	TIME	RATE (BPM)	VOLUME		PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			(BBU)	(GAL)	T	C	TUBING	CASING	
	1030								ON LOCATION
									T.D. = 4109'
									8 5/8 CASING = 1283'
	1050		13						1 ST PLUG 50 SKS CNT = 4096' ARBUCKLE
	1230		13						2 ND PLUG 50 SKS CNT = 1330'
	1315		10 1/2						3 RD PLUG 40 SKS CNT = 420'
	1420		5 1/4						4 TH PLUG 20 SKS CNT = 60'
	1425		8						5 TH PLUG 30 SKS CNT = RATHOLE
	1430		5 1/4						6 TH PLUG 20 SKS CNT = MOUSEHOLE
									WASH TRUCK
	1530								JOB COMPLETE
									THANK YOU
									WAYNE KIRBY, JOHN