

Confidentiality Requested:

☒ Yes ☐ NoKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed
Form must be Signed
All blanks must be FilledWELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33335
 Name: IA Operating, Inc.
 Address 1: 785 W. COVELL ROAD, SUITE 200
 Address 2: _____
 City: EDMOND State: OK Zip: 73003 + 2389
 Contact Person: Jonathan Allen
 Phone: (316) 721-0036
 CONTRACTOR: License # 31548
 Name: Discovery Drilling
 Wellsite Geologist: Jeff Lawler
 Purchaser: CHS

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 #: _____

12/13/2022 1/10/2023 03/07/2023
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No.: 15-051-27068-00-00

Spot Description: _____

SE - NW NE - NW Sec. 11 Twp. 12 S. R. 16 ☐ East ☒ West
392 Feet from ☒ North / ☐ South Line of Section
1770 Feet from ☐ East / ☒ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☒ NW ☐ SE ☐ SWGPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84County: EllisLease Name: HALL Well #: 11-1Field Name: Blue Hill NWProducing Formation: ArbuckleElevation: Ground: 1860 Kelly Bushing: 1868Total Vertical Depth: 3500 Plug Back Total Depth: 3450Amount of Surface Pipe Set and Cemented at: 1033 FeetMultiple 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: 48000 ppm Fluid volume: 600 bblsDewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Cla-Mar Oil Company, LLCLease Name: Dechant #1 License #: 6509Quarter SW Sec. 17 Twp. 14 S. R. 18 ☐ East ☒ WestCounty: Ellis Permit #: D24904.0

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: 03/24/2023
☐ Confidential Release Date: 03/23/2025
☒ Wireline Log Received ☒ Drill Stem Tests Received
☒ Geologist Report / Mud Logs Received
☐ UIC Distribution
 ALT ☒ I ☐ II ☐ III Approved by: David Befort Date: 03/24/2023

Operator Name: IA Operating, Inc. Lease Name: HALL Well #: 11-1
 Sec. 11 Twp. 12 S. R. 16 ☐ East ☒ West County: Ellis

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 ☒ Yes ☐ No <i>(Attach Additional Sheets)</i> 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: Attached	☒ Log Formation (Top), Depth and Datum ☐ Sample Name Attached Top Attached Datum Attached
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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	1033	80/20 Poz	400	2% gel, 3% CC
Production	7.875	5.5	15.5	3498	Common	130	10% salt, 10% gilsonite

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	3404-3410	Common	100	
	-			

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: <u>3/15/2023</u>		Producing Method: ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls. 20	Gas Mcf 0	Water Bbls. 30
		Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top: <u>3404</u> Bottom: <u>3408</u>
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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>
4	3404	3410			Squeezed with 100 sx Common cement
4	3404	3408			250 gal 15% MCA w/2% KCL
TUBING RECORD: Size: <u>2.875</u> Set At: <u>3442</u> Packer At: <u> </u>					

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	HALL 11-1
Doc ID	1705981

All Electric Logs Run

DIL
CDN
Sonic
Micro

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	HALL 11-1
Doc ID	1705981

Tops

Name	Top	Datum
Anhydrite	1018	+850
Topeka	2779	-911
Heebner	3028	-1160
Toronto	3049	-1181
Lansing	3076	-1208
BKC	3317	-1449
Simpson	3396	-1528
Arbuckle	3404	-1536
LTD	3500	-1632

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	HALL 11-1
Doc ID	1705981

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	1033	80/20 Poz	400	2% gel, 3% CC
Production	7.875	5.5	15.5	3498	Common	130	10% salt, 10% gilsonite

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3222

Date	12-14-22	Sec.	11	Twp.	28	Range	16	County	ELLIS	State	KS	On Location		Finish	2:45 AM
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Location Blue Hill School LEIN

Lease	HALL	Well No.	11-1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	DISCOVERY				
Type Job	SURFACE				
Hole Size	12 1/4	T.D.	1033	Charge To	I.A. OP. INC
Csg.	8 5/8 23#	Depth		Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	14	Shoe Joint	14	Cement Amount Ordered 400.4 8920 3-2	
Meas Line		Displace	64.9		

EQUIPMENT

Pumptrk	16	No.	Cementer	Bill	Common	320
			Helper		Poz. Mix	80
Bulktrk		No.	Driver	NICK	Gel.	7
			Driver		Calcium	14
Bulktrk	21	No.	Driver	CORY		
			Driver			

JOB SERVICES & REMARKS

Remarks:	Salt
Rat Hole	Flowseal
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
pipe set e 1033	Handling 420 421
	Mileage

FLOAT EQUIPMENT

Cemt w/ 400.4	Guide Shoe
pump plug w/ 64.9 bbls	Centralizer
Cemt DID CIRC.	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Rubber Plug 8 5/8 - 1
	Pumptrk Charge Long Surface
	Mileage 30
	Thanks
X Signature Rye Josche	Tax
	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

Home Office P.O. Box 32 Russell, KS 67665

No. 3237

Cell 785-324-1041

Date <u>1-10-23</u>	Sec. <u>11</u>	Twp. <u>12</u>	Range <u>16</u>	County <u>Ellis</u>	State <u>Ks</u>	On Location	Finish <u>10:15 PM</u>
				Location <u>Blue Hill School 1 E N</u>			
Lease <u>HALL</u>		Well No. <u>11-1</u>		Owner			
Contractor <u>Discovery</u>		To Quality Oilwell Cementing, Inc.					
Type Job <u>Long String</u>		You are hereby requested to rent cementing equipment and furnish					
Hole Size <u>7 7/8</u>		T.D. <u>3500</u>		Charge To <u>F.A. O.P.</u>			
Csg. <u>5 1/2</u>		Depth		Street			
Tbg. Size		Depth		City		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <u>42.85</u>		Shoe Joint		Cement Amount Ordered <u>175 10% Salt</u>			
Meas Line		Displace <u>82.4</u>		<u>5% G.I. 500 gal Flush</u>			
EQUIPMENT				Common <u>175</u>			
Pumptrk <u>17</u>	No.	Cementer	<u>B. H</u>	Poz. Mix			
Bulktrk	No.	Driver	<u>NICK</u>	Gel.			
Bulktrk <u>9</u>	No.	Driver	<u>DOUG</u>	Calcium			
JOB SERVICES & REMARKS				Hulls <u>14</u>			
Remarks:				Salt <u>14</u>			
Rat Hole <u>30</u>				Flowseal			
Mouse Hole <u>15</u>				Kol-Seal <u>750#</u>			
Centralizers				Mud CLR 48 <u>500 gal</u>			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<u>pipe set c 34 98</u>				Handling <u>196</u>			
<u>shot 5+ 42.85</u>				Mileage			
<u>Insert 34.55.15</u>				FLOAT EQUIPMENT			
				Guide Shoe			
<u>pump 500 gal Flush</u>				Centralizer <u>5</u> <u>147 10 13</u>			
<u>Cement w/</u>				Baskets <u>1</u>			
<u>pump plug w/ bbls</u>				AFU Inserts			
<u>LAND plug c 1300 ft</u>				Float Shoe <u>1</u>			
<u>Floor did hold</u>				Latch Down <u>1</u>			
				Pumptrk Charge <u>Prod String</u>			
				Mileage <u>30</u>			
				Tax			
				Discount			
				Total Charge			
X Signature <u>Tom Beren</u>				<u>Thanks</u> 			

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3456

Date	2-7-23	Sec.	Twp.	Range	County	State	On Location	Finish
					Ellis	Ks		1:00 PM
Lease	Hall				Location Blue Hill School - 1E, 3/4 N, E/S			
Contractor	Western Well Service				Owner To Quality Oilwell Cementing, Inc.			
Type Job	Retainer Squeeze				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size	5 1/2"				Charge To IA Operating			
Csg.	2 7/8"				Street			
Tbg. Size	3390'				City State			
Tool	Depth				The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.	Shoe Joint				Cement Amount Ordered 100 Com			
Meas Line	Displace 18 1/2 BLS							
EQUIPMENT					Common 100			
Pumptrk 18	No.	Cement	Jordan		Poz. Mix			
Bulktrk 3	No.	Driver	Doug		Gel.			
Bulktrk p.u.	No.	Driver	Rick		Calcium			
JOB SERVICES & REMARKS					Hulls			
Remarks: Injection Rate 4 BPM @ 900#					Salt			
Rat Hole Perfs 3404' - 10'					Flowseal			
Mouse Hole Retainer @ 3390'					Kol-Seal			
Centralizers					Mud CLR 48			
Baskets Circulate oil out of the					CFL-117 or CD110 CAF 38			
D/V or Port Collar hole. String into Retainer					Sand			
+ pressure backside to 500#,					Handling 100			
Shut in. Hook to tubing +					Mileage			
Pump H2O to take injection					FLOAT EQUIPMENT			
Rate: mix 100 com + Displace					Guide Shoe			
w/ 6 BLS. Max pressure					Centralizer			
3000#. Bleed down to 900#.					Baskets			
String out of Retainer. wash					AFU Inserts			
Clean short way w/ 30 BLS.					Float Shoe			
Approx. 40% out to					Latch Down			
formation								
					Pumptrk Charge Squeeze			
					Mileage 30			
					Tax			
					Discount			
					Total Charge			
X Signature Tom Beren								



Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

05

2023

DST #1 Formation: Topeka Test Interval: 2790 - 2869' Total Depth: 2869'

Time On: 20:38 01/05

Time Off: 03:30 01/06

Time On Bottom: 23:01 01/05

Time Off Bottom: 02:01 01/06

Electronic Volume
Estimate:

81'

1st Open

Minutes: 30

Current Reading:

4.5" at 30 min

Max Reading: 4.5"

1st Close

Minutes: 45

Current Reading:

0" at 45 min

Max Reading: 0"

2nd Open

Minutes: 45

Current Reading:

4" at 45 min

Max Reading: 4"

2nd Close

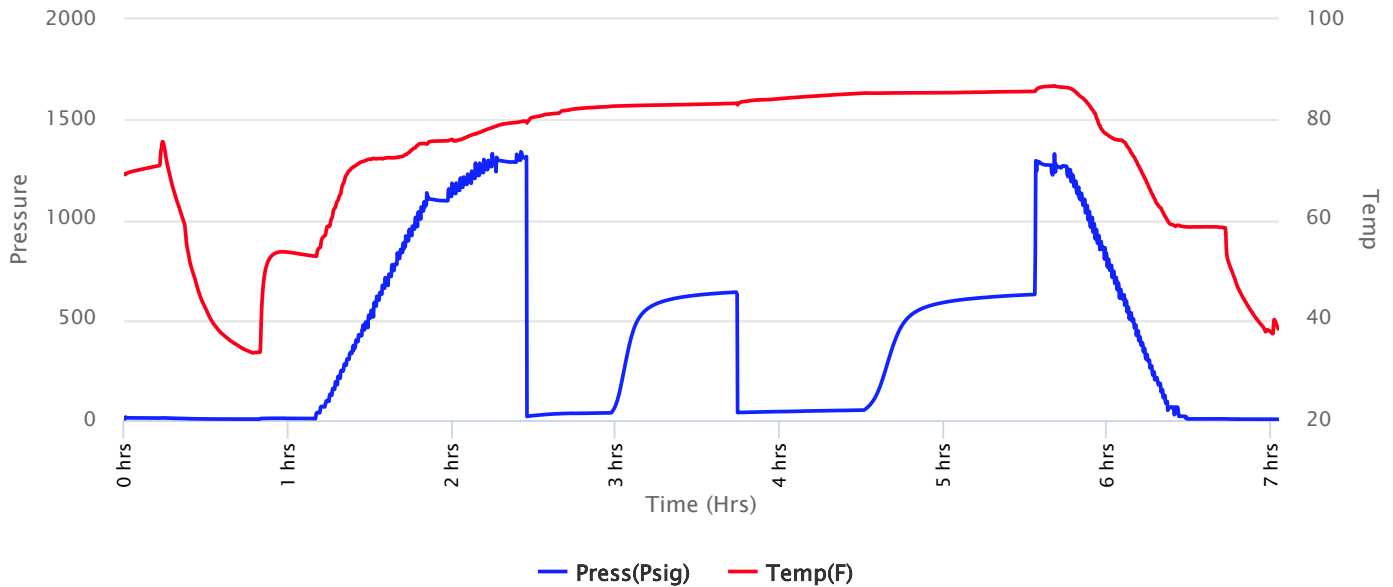
Minutes: 60

Current Reading:

0" at 60 min

Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 4
 Elevation: 1860 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 630
 API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
05
2023

DST #1 Formation: Topeka Test Interval: 2790 - 2869' Total Depth: 2869'

Time On: 20:38 01/05 Time Off: 03:30 01/06
 Time On Bottom: 23:01 01/05 Time Off Bottom: 02:01 01/06

Recovered

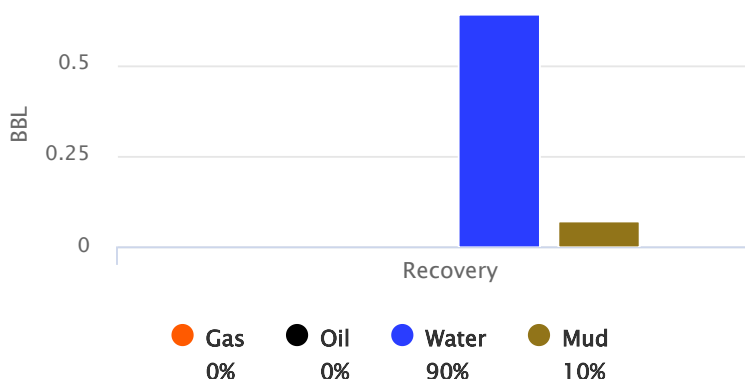
Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
70	0.7099106	SLMCW	0	0	90	10

Total Recovered: 70 ft

Total Barrels Recovered: 0.7099106

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1310	PSI
Initial Flow	18 to 37	PSI
Initial Closed in Pressure	639	PSI
Final Flow Pressure	38 to 50	PSI
Final Closed in Pressure	627	PSI
Final Hydrostatic Pressure	1288	PSI
Temperature	86	°F
Pressure Change Initial Close / Final Close	1.9	%

GIP cubic foot volume: 0



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

05

2023

DST #1 **Formation: Topeka** **Test Interval: 2790 - 2869'** **Total Depth: 2869'**

Time On: 20:38 01/05

Time Off: 03:30 01/06

Time On Bottom: 23:01 01/05

Time Off Bottom: 02:01 01/06

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: .5 blow built to 4

1st Close: No return

2nd Open: Surface blow built to 3.75

2nd Close: No return

REMARKS:

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

Ph: 7

Measured RW: 1.2 @ 25 degrees °F

RW at Formation Temp: 0.411 @ 86 °F

Chlorides: 12,800 ppm



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State: Kansas
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Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

05

2023

DST #1 **Formation: Topeka** **Test Interval: 2790 - 2869'** **Total Depth: 2869'**

Time On: 20:38 01/05

Time Off: 03:30 01/06

Time On Bottom: 23:01 01/05 Time Off Bottom: 02:01 01/06

Down Hole Makeup

Heads Up: 15.48 FT

Packer 1: 2784.5 FT

Drill Pipe: 2749.08 FT

Packer 2: 2790 FT

ID-3 1/2

Top Recorder: 2776.5 FT

Weight Pipe: FT

Bottom Recorder: 2867 FT

ID-2 7/8

Collars: 30.74 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 26.66 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Total Anchor: 79

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 11 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 63 FT

ID-3 1/2

Change Over: .5 FT

Perforations: (below): 3 FT

4 1/2-FH



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

05

2023

DST #1 Formation: Topeka Test Interval: 2790 - Total Depth: 2869'
2869'

Time On: 20:38 01/05

Time Off: 03:30 01/06

Time On Bottom: 23:01 01/05 Time Off Bottom: 02:01 01/06

Mud Properties

Mud Type: Chem

Weight: 8.7

Viscosity: 60

Filtrate: 5.4

Chlorides: 2200 ppm



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Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
05
2023

DST #1 **Formation: Topeka** **Test Interval: 2790 - 2869'** **Total Depth: 2869'**
Time On: 20:38 01/05 Time Off: 03:30 01/06
Time On Bottom: 23:01 01/05 Time Off Bottom: 02:01 01/06

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

Time	Orifice	PSI	MCF/D
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Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

07

2023

DST #2 Formation: LKC C - D Test Interval: 3093 - 3140' Total Depth: 3140'

Time On: 02:30 01/07

Time Off: 08:54 01/07

Time On Bottom: 04:47 01/07

Time Off Bottom: 07:17 01/07

Electronic Volume
Estimate:

53'

1st Open

Minutes: 30

Current Reading:

3.1" at 30 min

Max Reading: 3.1"

1st Close

Minutes: 45

Current Reading:

0" at 45 min

Max Reading: 0"

2nd Open

Minutes: 30

Current Reading:

1" at 30 min

Max Reading: 1"

2nd Close

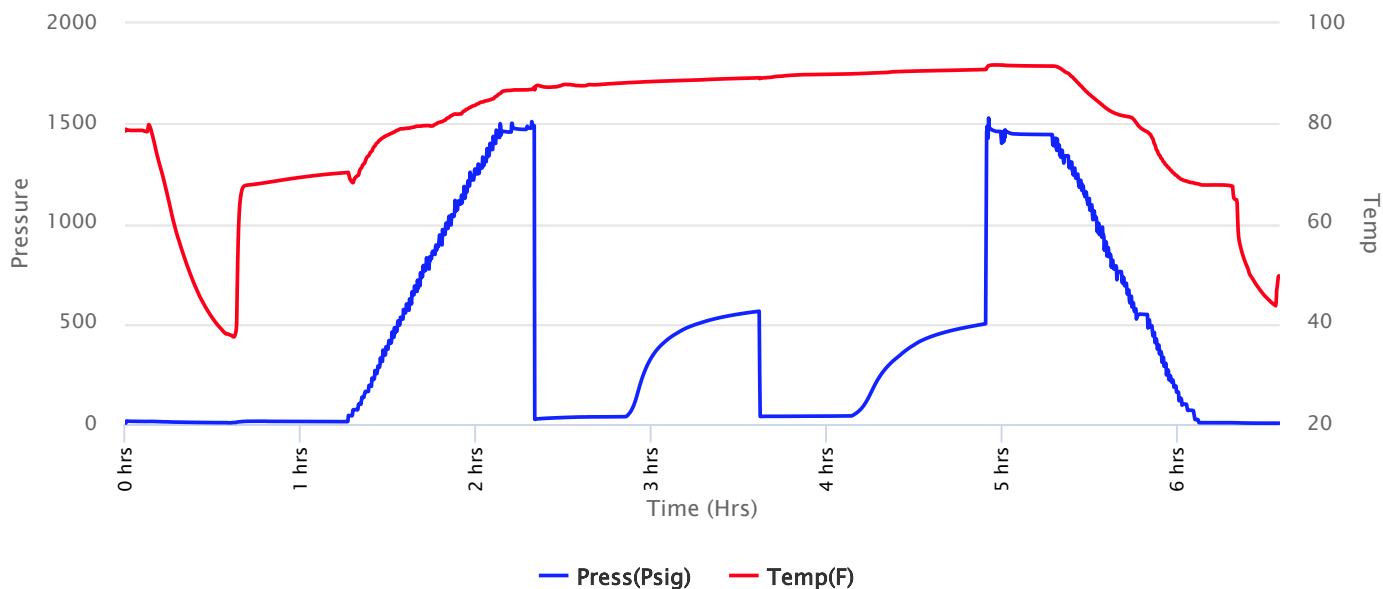
Minutes: 45

Current Reading:

0" at 45 min

Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
07
2023

DST #2 Formation: LKC C - D Test Interval: 3093 - 3140' Total Depth: 3140'

Time On: 02:30 01/07 Time Off: 08:54 01/07
Time On Bottom: 04:47 01/07 Time Off Bottom: 07:17 01/07

Recovered

Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
45	0.3541606	M	0	0	0	100

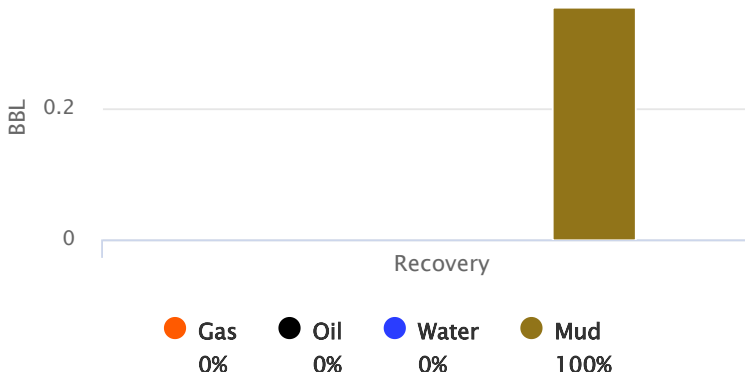
Total Recovered: 45 ft

Total Barrels Recovered: 0.3541606

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	1488	PSI
Initial Flow	26 to 39	PSI
Initial Closed in Pressure	564	PSI
Final Flow Pressure	39 to 41	PSI
Final Closed in Pressure	500	PSI
Final Hydrostatic Pressure	1477	PSI
Temperature	91	°F
Pressure Change Initial Close / Final Close	11.4	%



GIP cubic foot volume: 0



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
07
2023

DST #2	Formation: LKC C - D	Test Interval: 3093 - 3140'	Total Depth: 3140'
	Time On: 02:30 01/07	Time Off: 08:54 01/07	
	Time On Bottom: 04:47 01/07	Time Off Bottom: 07:17 01/07	

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: .25 blow built to 3

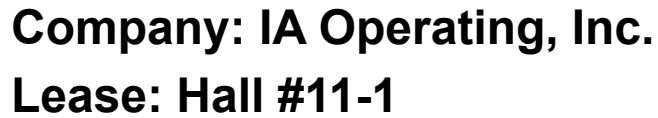
1st Close: No return

2nd Open: Surface blow built to 1

2nd Close: No return

REMARKS:

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



Uploading recovery & pressures

2023

Time On: 02:30 01/07 Time Off: 08:54 01/07
Time On Bottom: 04:47 01/07 Time Off Bottom: 07:17 01/07

Mud Properties

Chlorides: 3050 ppm

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



Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

08

2023

DST #3 Formation: LKC I - L Test Interval: 3223 - 3325' Total Depth: 3325'

Time On: 05:31 01/08

Time Off: 12:41 01/08

Time On Bottom: 08:02 01/08

Time Off Bottom: 11:02 01/08

Electronic Volume
Estimate:

284'

1st Open

Minutes: 30

Current Reading:

9" at 30 min

Max Reading: 9"

1st Close

Minutes: 45

Current Reading:

0" at 45 min

Max Reading: 0"

2nd Open

Minutes: 45

Current Reading:

22.8" at 45 min

Max Reading: 22.8"

2nd Close

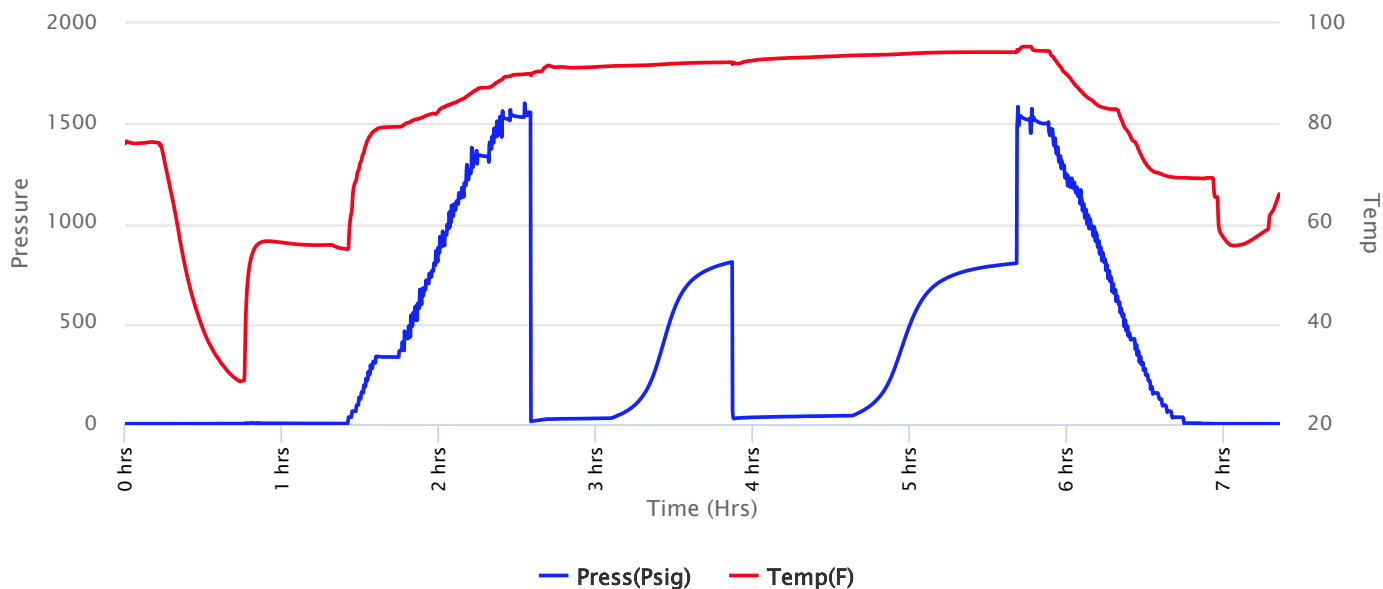
Minutes: 60

Current Reading:

0" at 60 min

Max Reading: 0"

Inside Recorder





Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 4
 Elevation: 1860 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 630
 API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
08
2023

DST #3 Formation: LKC I - L Test Interval: 3223 - 3325' Total Depth: 3325'

Time On: 05:31 01/08 Time Off: 12:41 01/08
 Time On Bottom: 08:02 01/08 Time Off Bottom: 11:02 01/08

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
220	3.1306	G	100	0	0	0
75	0.7810606	SLGCHMCO	5	55	0	40

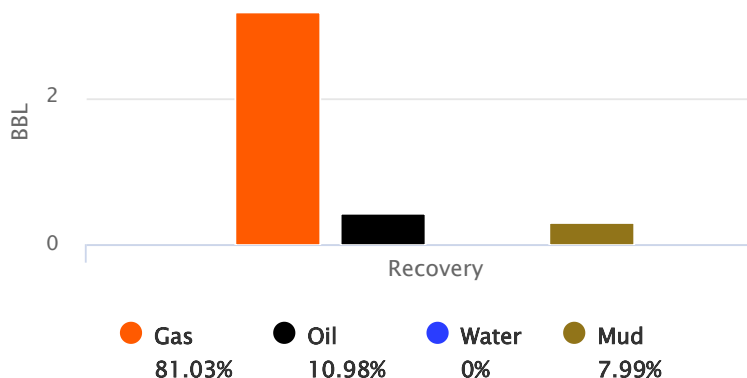
Total Recovered: 295 ft

Total Barrels Recovered: 3.9116606

Reversed Out
NO

Initial Hydrostatic Pressure	1551	PSI
Initial Flow	14 to 30	PSI
Initial Closed in Pressure	809	PSI
Final Flow Pressure	28 to 42	PSI
Final Closed in Pressure	803	PSI
Final Hydrostatic Pressure	1539	PSI
Temperature	95	°F
Pressure Change Initial	0.7	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 17.79602



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

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2023

DST #3 Formation: LKC I - L Test Interval: 3223 - 3325' Total Depth: 3325'

Time On: 05:31 01/08

Time Off: 12:41 01/08

Time On Bottom: 08:02 01/08

Time Off Bottom: 11:02 01/08

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: .25 blow built to 10

1st Close: No return

2nd Open: 3 blow built to BoB at 12.5 mins

2nd Close: No return

REMARKS:

Tool Sample: 15% Gas 60% Oil 0% Water 25% Mud



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

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2023

DST #3 **Formation: LKC I - L** **Test Interval: 3223 - 3325'** **Total Depth: 3325'**

Time On: 05:31 01/08 Time Off: 12:41 01/08
Time On Bottom: 08:02 01/08 Time Off Bottom: 11:02 01/08

Down Hole Makeup

Heads Up: 24.46 FT

Packer 1: 3218 FT

Drill Pipe: 3191.56 FT
ID-3 1/2

Packer 2: 3223 FT

Weight Pipe: FT
ID-2 7/8

Top Recorder: 3210 FT

Bottom Recorder: 3323 FT

Collars: 30.74 FT
ID-2 1/4

Well Bore Size: 7 7/8

Surface Choke: 1"

Test Tool: 26.16 FT
ID-3 1/2-FH

Bottom Choke: 5/8"

Total Anchor: 102

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 34 FT
4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 63 FT
ID-3 1/2

Change Over: .5 FT

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



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

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2023

DST #3 Formation: LKC I - L Test Interval: 3223 - Total Depth: 3325'
3325'

Time On: 05:31 01/08

Time Off: 12:41 01/08

Time On Bottom: 08:02 01/08

Time Off Bottom: 11:02 01/08

Mud Properties

Mud Type: Chem

Weight: 8.9

Viscosity: 48

Filtrate: 6.8

Chlorides: 4500 ppm



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

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2023

DST #3 Formation: LKC I - L Test Interval: 3223 - 3325' Total Depth: 3325'

Time On: 05:31 01/08

Time Off: 12:41 01/08

Time On Bottom: 08:02 01/08

Time Off Bottom: 11:02 01/08

Gas Volume Report

1st Open

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

2nd Open

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



Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

08

2023

DST #4 Formation: Simpson Sand Test Interval: 3319 - 3406' Total Depth: 3406'

Time On: 22:49 01/08

Time Off: 06:00 01/09

Time On Bottom: 00:57 01/09

Time Off Bottom: 03:57 01/09

Electronic Volume
Estimate:

332'

1st Open

Minutes: 30

Current Reading:

13" at 30 min

Max Reading: 13"

1st Close

Minutes: 45

Current Reading:

0" at 45 min

Max Reading: 0"

2nd Open

Minutes: 45

Current Reading:

22.6" at 45 min

Max Reading: 22.6"

2nd Close

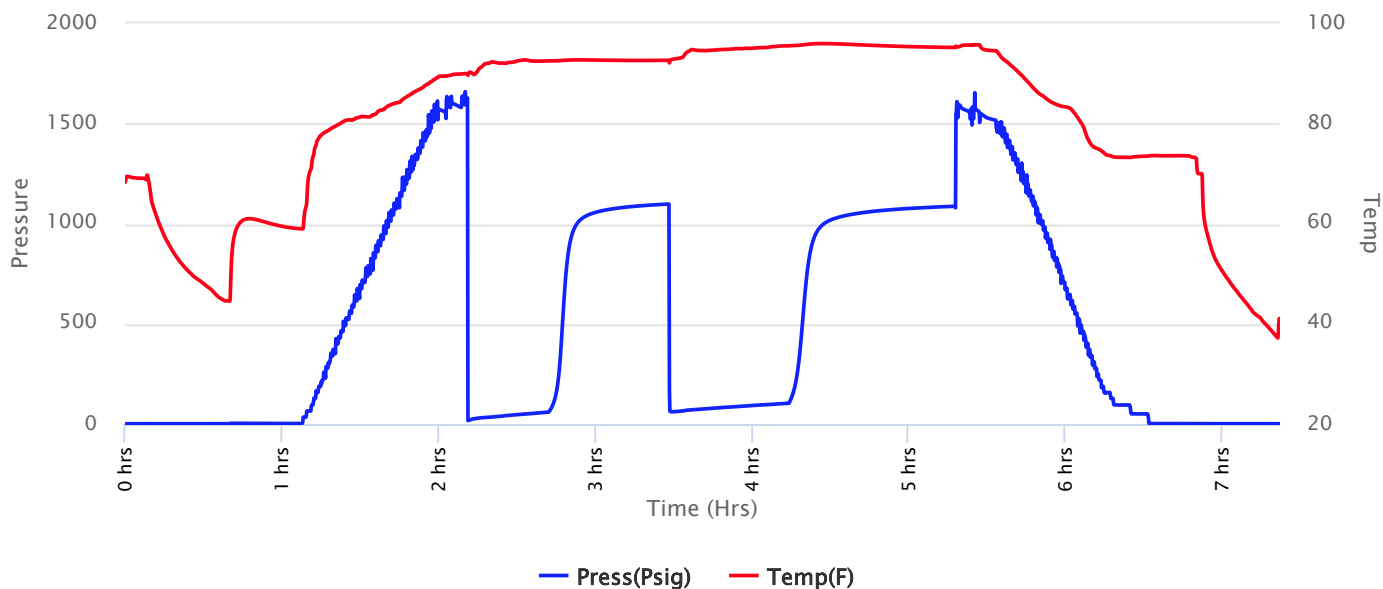
Minutes: 60

Current Reading:

1.2" at 60 min

Max Reading: 1.2"

Inside Recorder





Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 4
 Elevation: 1860 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 630
 API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

08

2023

DST #4 **Formation: Simpson Sand** **Test Interval: 3319 - 3406'** **Total Depth: 3406'**

Time On: 22:49 01/08

Time Off: 06:00 01/09

Time On Bottom: 00:57 01/09

Time Off Bottom: 03:57 01/09

Recovered

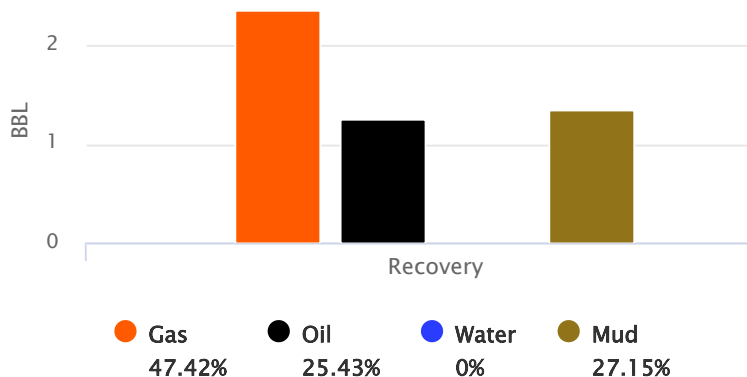
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
150	2.1345	G	100	0	0	0
30	0.4269	GCMCO	20	60	0	20
63	0.89649	SLGCHMCO	10	50	0	40
63	0.89649	SLGCHOCH	5	35	0	60
63	0.6103006	HOCM	0	40	0	60

Total Recovered: 369 ft

Total Barrels Recovered: 4.9646806

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1617	PSI
Initial Flow	23 to 60	PSI
Initial Closed in Pressure	1098	PSI
Final Flow Pressure	62 to 109	PSI
Final Closed in Pressure	1087	PSI
Final Hydrostatic Pressure	1586	PSI
Temperature	96	°F
Pressure Change Initial Close / Final Close	1.1	%

GIP cubic foot volume: 13.21852



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
08
2023

DST #4	Formation: Simpson Sand	Test Interval: 3319 - 3406'	Total Depth: 3406'
	Time On: 22:49 01/08	Time Off: 06:00 01/09	
	Time On Bottom: 00:57 01/09	Time Off Bottom: 03:57 01/09	

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1 blow built to BoB @ 24 mins

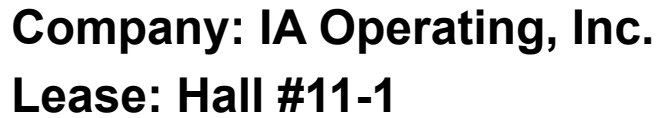
1st Close: No return

2nd Open: 1.9 blow built to BoB at 18 mins

2nd Close: Surface return at 6 mins built to 2

REMARKS:

Tool Sample: 0% Gas 50% Oil 0% Water 50% Mud



Uploading recovery & pressures

2023

Time On: 22:49 01/08 Time Off: 06:00 01/09
Time On Bottom: 00:57 01/09 Time Off Bottom: 03:57 01/09

Mud Properties

Chlorides: 5600 ppm

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



Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

09

2023

DST #5 Formation: Arbuckle Test Interval: 3410 - 3418' Total Depth: 3418'

Time On: 13:25 01/09

Time Off: 22:32 01/09

Time On Bottom: 15:30 01/09

Time Off Bottom: 18:45 01/09

Electronic Volume
Estimate:

1643'

1st Open

Minutes: 15

Current Reading:

68.9" at 15 min

Max Reading: 68.9"

1st Close

Minutes: 45

Current Reading:

12.1" at 45 min

Max Reading: 12.1"

2nd Open

Minutes: 45

Current Reading:

121.2" at 45 min

Max Reading: 121.2"

2nd Close

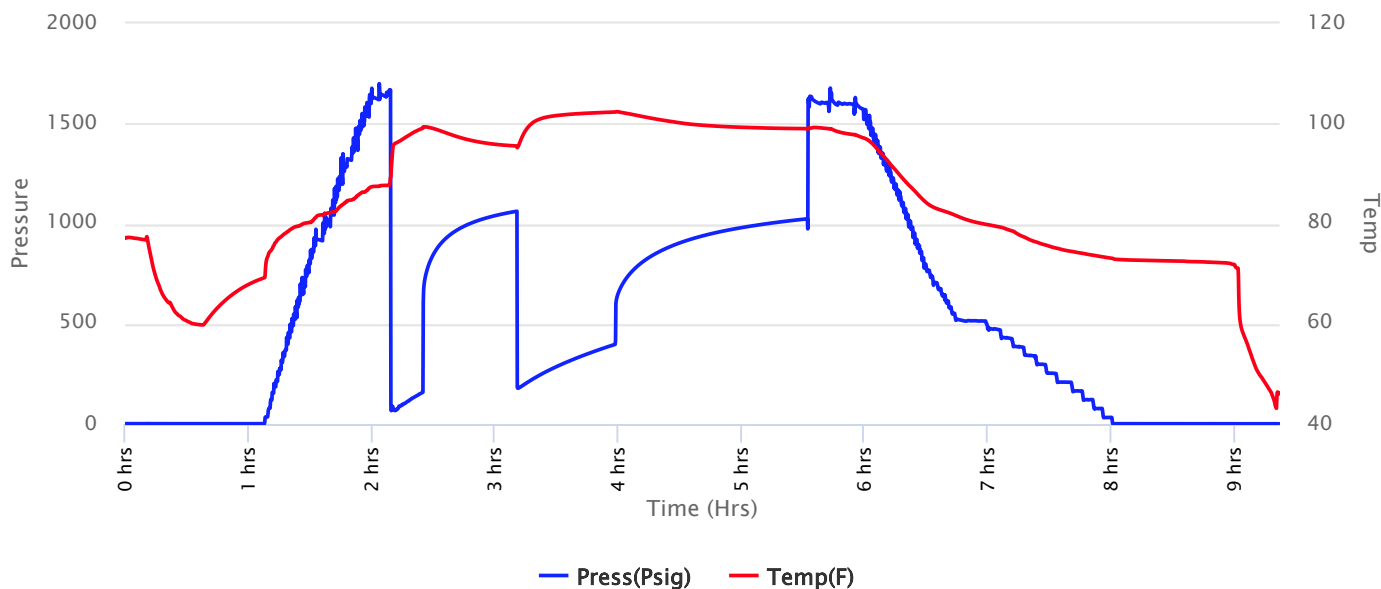
Minutes: 90

Current Reading:

13" at 90 min

Max Reading: 13"

Inside Recorder





Company: IA Operating, Inc.

Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 4
 Elevation: 1860 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 630
 API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
09
2023

DST #5 Formation: Arbuckle Test Interval: 3410 - 3418' Total Depth: 3418'

Time On: 13:25 01/09 Time Off: 22:32 01/09
 Time On Bottom: 15:30 01/09 Time Off Bottom: 18:45 01/09

Recovered

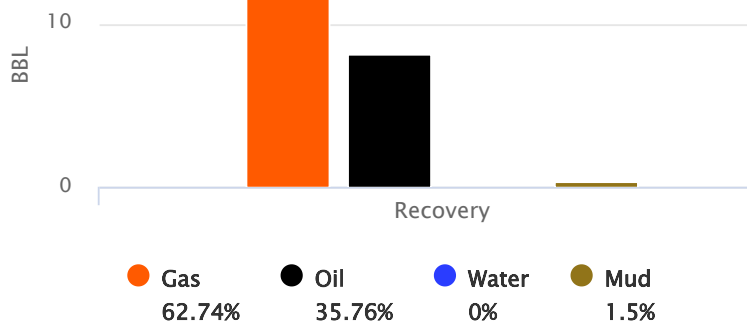
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
540	7.6842	G	100	0	0	0
63	0.89649	HGCO	40	60	0	0
957	13.61811	HGCO	45	55	0	0
60	0.5676106	OCGCM	20	20	0	60

Total Recovered: 1620 ft

Total Barrels Recovered: 22.7664106

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1665	PSI
Initial Flow	89 to 160	PSI
Initial Closed in Pressure	1062	PSI
Final Flow Pressure	182 to 416	PSI
Final Closed in Pressure	1026	PSI
Final Hydrostatic Pressure	1635	PSI
Temperature	103	°F

Pressure Change Initial 3.4 %
 Close / Final Close

GIP cubic foot volume: 80.20014



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
09
2023

DST #5 Formation: Arbuckle Test Interval: 3410 - Total Depth: 3418'
3418'

Time On: 13:25 01/09

Time Off: 22:32 01/09

Time On Bottom: 15:30 01/09

Time Off Bottom: 18:45 01/09

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: BoB at 1.5 mins

1st Close: Surface return built to BoB at 35 mins

2nd Open: BoB at 2 min 10 secs

2nd Close: Surface return built to BoB at 58 mins

REMARKS:

Gravity: 33.1 @ 60 °F



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
09
2023

DST #5 Formation: Arbuckle Test Interval: 3410 - 3418' Total Depth: 3418'

Time On: 13:25 01/09 Time Off: 22:32 01/09
Time On Bottom: 15:30 01/09 Time Off Bottom: 18:45 01/09

Down Hole Makeup

Heads Up: 27.29 FT

Packer 1: 3404.5 FT

Drill Pipe: 3380.89 FT
ID-3 1/2

Packer 2: 3410 FT

Weight Pipe: FT
ID-2 7/8

Top Recorder: 3396.5 FT

Collars: 30.74 FT
ID-2 1/4

Bottom Recorder: 3412 FT

Test Tool: 26.66 FT
ID-3 1/2-FH

Well Bore Size: 7 7/8

Surface Choke: 1"

Bottom Choke: 5/8"

Total Anchor: 8

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: FT

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

Change Over: FT

Perforations: (below): 7 FT
4 1/2-FH



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January

09

2023

DST #5 Formation: Arbuckle Test Interval: 3410 - Total Depth: 3418'
3418'

Time On: 13:25 01/09

Time Off: 22:32 01/09

Time On Bottom: 15:30 01/09

Time Off Bottom: 18:45 01/09

Mud Properties

Mud Type: Chem

Weight: 9.1

Viscosity: 48

Filtrate: 6.4

Chlorides: 5200 ppm



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery &
pressures

DATE

January
09
2023

DST #5 Formation: Arbuckle Test Interval: 3410 - 3418' Total Depth: 3418'

Time On: 13:25 01/09 Time Off: 22:32 01/09
Time On Bottom: 15:30 01/09 Time Off Bottom: 18:45 01/09

Gas Volume Report

1st Open

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

2nd Open

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

Scale 1:240 Imperial

Well Name: HALL #11-1
Surface Location: SE NW NE NW Sec. 11 - 12S - 16W
Bottom Location:
API: 15-051-27068
License Number: 33335
Spud Date: 12/13/2022 Time: 10:00 AM
Region: ELLIS COUNTY
Drilling Completed: 1/10/2023 Time: 5:30 AM
Surface Coordinates: 392' FNL & 1770' FEL
Bottom Hole Coordinates:
Ground Elevation: 1860.00ft
K.B. Elevation: 1868.00ft
Logged Interval: 2600.00ft To: 3500.00ft
Total Depth: 3500.00ft
Formation: LANSING; KANSAS CITY, ARBUCKLE
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

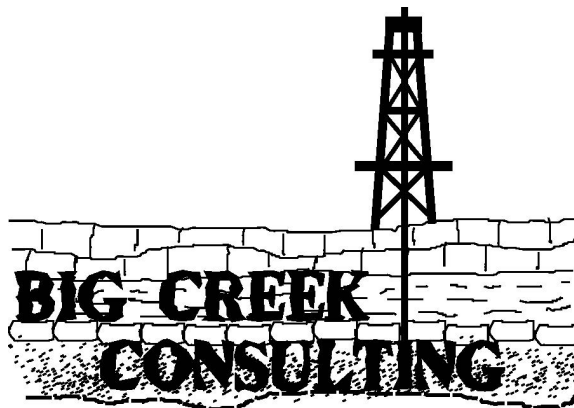
OPERATOR

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: HALL #11-1
Location: SE NW NE NW Sec. 11 - 12S - 16W
API: 15-051-27068
Pool:
State: KANSAS
Field: UNNAMED
Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.06884
Latitude: 39.029573
N/S Co-ord: 392' FNL
E/W Co-ord: 1770' FEL

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: 12/13/2022 Time: 10:00 AM
TD Date: 1/10/2023 Time: 5:30 AM
Rig Release: 1/10/2023 Time: 11:15 PM

ELEVATIONS

K.B. Elevation: 1868.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 1860.00ft

NOTES

5 1/2" PRODUCTION CASING WAS RUN TO FURTHER EVALUATE ZONES OF INTERESTS UPON COMPLETETION.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

				●				H				H				●						
				IA OPERATING				JJ HALL OPERATING CO.				JJ HALL OPERATING CO.				IA OPERATING						
				CARRIE #2-4				OSWALD #1				OSWALD D #1				CARRIE #2-5						
HALL #11-1				E2 SW SE SW 2-12-16				SE SW SW 2-12-16				NW NW NW 11-12-16				SW NW NE SW 2-12-16						
KB		1868	GL	1860	KB		1853		KB		1846		KB		1821		KB		1823			
LOG TOPS		SAMPLE TOPS		LOG		LOG	SAMPL.	COMP. CARD		LOG	SAMPL.	COMP. CARD		LOG	SAMPL.	LOG		LOG	SAMPL.			
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.		
ANHYDRITE TOP			1018	850	1007	846			1000	846			984	837			981	842				
BASE	1056	812	1058	810	1044	809	+	3	+	1							1011	812	+	0	-	2
	2779	-911	2780	-912	2769	-916	+	5	+	4	2785	-939	+	28	+	27	2724	-903	-	8	-	9
HEEBNER SHALE	3028	-1160	3031	-1163	3019	-1166	+	6	+	3							2991	-1170	+	10	+	7
TORONTO	3049	-1181	3053	-1185	3041	-1188	+	7	+	3	3066	-1220	+	39	+	35	3010	-1189	+	8	+	4
LKC	3076	-1208	3076	-1208	3067	-1214	+	6	+	6							3040	-1219	+	11	+	11
BKC	3317	-1449	3321	-1453	3309	-1456	+	7	+	3												
SIMPSON SAND	3396	-1528	3400	-1532	3394	-1541	+	13	+	9	3406	-1560	+	32	+	28						
ARBUCKLE	3404	-1536	3409	-1541	3401	-1548	+	12	+	7							3353	-1532	-	4	-	9
TOTAL DEPTH	3500	-1632	3500	-1632	3450	-1597	-	35	-	35	3437	-1591	-	41	-	41	3370	-1549	-	83	-	83

DST #1 TOPEKA 2790' - 2869'



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:

Uploading recovery & pressures

DATE

January
05
2023

DST #1 **Formation: Topeka** **Test Interval: 2790 - 2869'** **Total Depth: 2869'**

Time On: 20:38 01/05 Time Off: 03:30 01/06
Time On Bottom: 23:01 01/05 Time Off Bottom: 02:01 01/06

Recovered

Foot BBLs
70 0.7099106

Description of Fluid
SLMCW

Gas %
0

Oil %
0

Water %
90

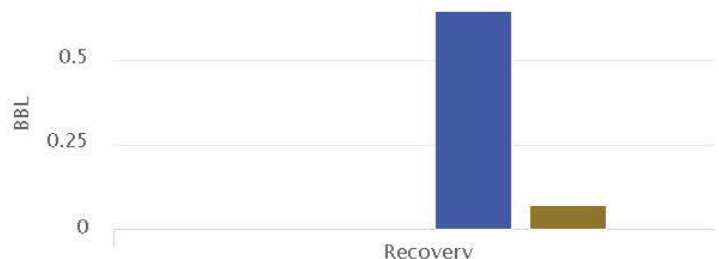
Mud %
10

Total Recovered: 70 ft

Total Barrels Recovered: 0.7099106

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1310	PSI
Initial Flow	18 to 37	PSI
Initial Closed in Pressure	639	PSI
Final Flow Pressure	38 to 50	PSI
Final Closed in Pressure	627	PSI
Final Hydrostatic Pressure	1288	PSI
Temperature	86	°F

Pressure Change Initial 1.9 %

Close / Final Close

GIP cubic foot volume: 0

● Gas 0% ● Oil 0% ● Water 90% ● Mud 10%

DST #1 TOPEKA 2790' - 2869'

Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 4
 Elevation: 1860 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 630
 API #: 15-051-27068

Operation:

Uploading recovery &
 pressures

DATE

January
05
 2023

DST #1 **Formation: Topeka** **Test Interval: 2790 - 2869'** **Total Depth: 2869'**

Time On: 20:38 01/05 Time Off: 03:30 01/06
 Time On Bottom: 23:01 01/05 Time Off Bottom: 02:01 01/06

Electronic Volume
 Estimate:
 81'

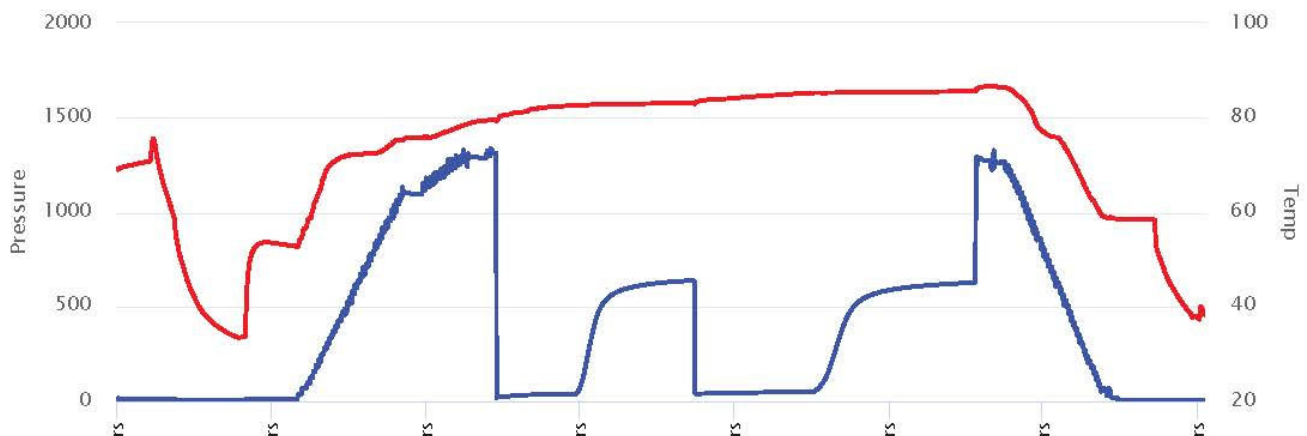
1st Open
 Minutes: 30
 Current Reading:
 4.5" at 30 min
 Max Reading: 4.5"

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

2nd Open
 Minutes: 45
 Current Reading:
 4" at 45 min
 Max Reading: 4"

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

Inside Recorder



— Press(Psig) — Temp(F)

Uploading recovery & pressures

Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

January
07
2023

DST #2	Formation: LKC C - D	Test Interval: 3093 - 3140'	Total Depth: 3140'
Time On: 02:30 01/07		Time Off: 08:54 01/07	
Time On Bottom: 04:47 01/07		Time Off Bottom: 07:17 01/07	

<u>Foot</u>	<u>BBLs</u>
45	0.3541606

Description of Fluid

Gas %
0

Oil %
0

Water %
0

Mud %
100

Total Recovered: 45 ft
Total Barrels Recovered: 0.3541606

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	1488	PSI
Initial Flow	26 to 39	PSI
Initial Closed in Pressure	564	PSI
Final Flow Pressure	39 to 41	PSI
Final Closed in Pressure	500	PSI
Final Hydrostatic Pressure	1477	PSI
Temperature	91	°F
Pressure Change Initial Close / Final Close	11.4	%



GIP cubic foot volume: 0

DST #2 LKC C - D 3093' - 3140'



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
 County: ELLIS
 State: Kansas
 Drilling Contractor: Discovery Drilling
 Company, Inc. - Rig 4
 Elevation: 1860 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 630
 API #: 15-051-27068

Operation:

Uploading recovery &
 pressures

DATE

January
07
 2023

DST #2 Formation: LKC C - Test Interval: 3093 - Total Depth: 3140'
D 3140'

Time On: 02:30 01/07 Time Off: 08:54 01/07
 Time On Bottom: 04:47 01/07 Time Off Bottom: 07:17 01/07

Electronic Volume
 Estimate:
 53'

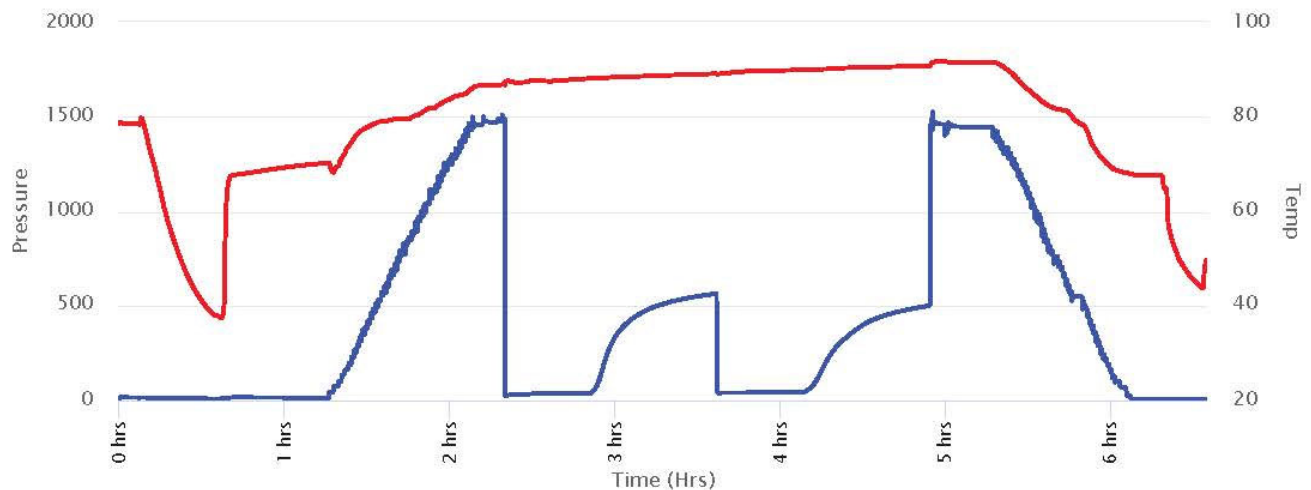
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 Minutes: 30
 Current Reading:
 3.1" at 30 min
 Max Reading: 3.1"

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

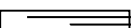
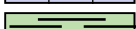
2nd Open
 Minutes: 30
 Current Reading:
 1" at 30 min
 Max Reading: 1"

2nd Close
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: 0"

Inside Recorder



ROCK TYPES

	Cht vari		Lmst fw7>		Carbon Sh		Arg/Shale
	Congl		shale, grn		Shblk		Ss
	Dolprim		shale, gry		shale, red		Lscongl

ACCESSORIES

MINERAL

Euhe rhombs of dol or i

STRINGER

Chert
Sandstone
red shale

TEXTURE

Chalky

OTHER SYMBOLS

MISC

-  Daily Report
-  Digital Photo
-  Document
-  Folder
-  Link
-  Vertical Log File
-  Horizontal Log File
-  Core Log File
-  Drill Cuttings Rpt

DST

-  DST Int
-  DST alt

Curve Track #1				Curve Track #3			
ROP (min/ft)		Depth Intervals	DST	Lithology	Oil Show	Geological Descriptions	
Gamma (API)							
Cal (in)							
1:240 Imperial		Cored Interval	DST Interval				1:240 Imperial
0	ROP (min/ft)	5					
0	Gamma (API)	150					
6	Cal (in)	16					
		2610					
				1' DRILL TIME THROUGH ANHYDRITE FROM 1000' - 1070' 1' DRILL TIME FROM 2650' - RTD 10' WET/DRY SAMPLES FROM 2700' - RTD			

GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 2650' - RTD

8 5/8" SURFACE PIPE SET @ 1033' SURVEY 3/4 deg.

ANHYDRITE TOP 1018' (+ 850)
ANHYDRITE BASE 1058' (+810) E-LOG 1056' (+812)

MUD-CO
CK @ 2663'

WT: 8.7
VIS: 60+
WL: 5.4
CHLOR: 2,200
LCM: 2#

Sh- Black Gray Green, waxy, argillaceous clumps

Lm- Cream Buff, FXLN, sl fsl, dns, tight well cemented, some high-energy w/ fsl fragments, sctrd XLN por

Lm- Cream Gray Buff, FXLN, well cemented, sctrd XLN por, some sctrd clear replacement cementation, most w/ dns fsl fragments, barren

Dol- Cream, FXLN, fsl, spkld w/ glauconite, sctrd XLN por, barren

Sh/Ss- Gray Frosted, calcareous, argillaceous, sandy & micaceous, well cemented fn grn Ss, spkld w/ glauconite, poor vis. por, barren

A/A w/ argillaceous wash influx

Sh- Drk Gray, dns, sandy, micaceous

Lm- Gray Buff, VF-FXLN, dns, well cemented, tight

Sh- Gray, argillaceous calcareous

TOPEKA 2780' (-912) E-LOG 2779' (-911) Lm- Cream Buff, mix of fsl FXLN, well cmntd & tight, spkld w/ glauconite, barren & well cmntd w/ poor vis. por. barren

A/A

Sh- Black Gray, dns, waxy, calcareous & argillaceous

Lm- Cream, F-MedXLN, massive, dns XLN & fn ppt por, sctrd vuggy por, well cemented, SCTRD DRK STN, NSFO, GD ODR

Lm- Cream Gray, VF-FXLN, mostly dns & well cemented, sctrd xln por, barren

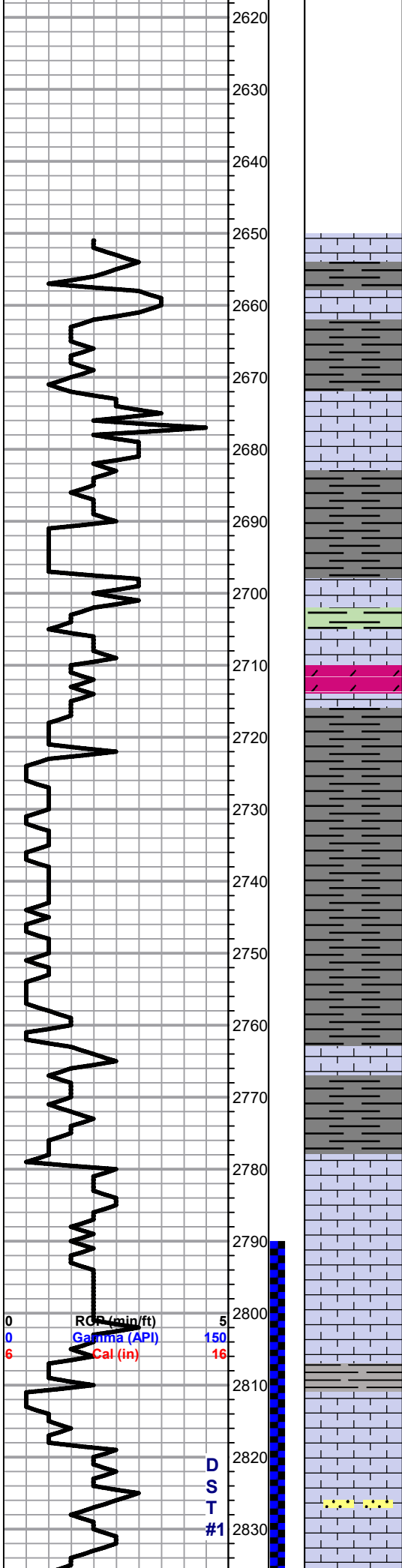
SHORT TRIP
CTCH
SURVEY 1/4 deg.

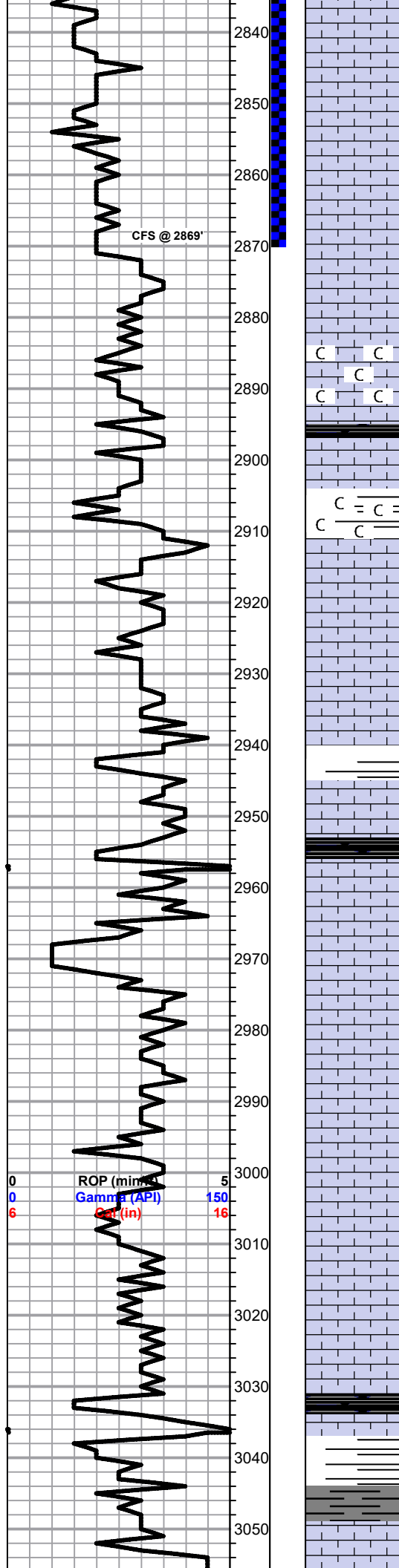
DST #1 TOPEKA
2790' - 2869'
30-45-45-60

70' SL MCW
(90% W, 10% M)

CHLOR: 12,800

IFP: 18-37#
FFP: 38-50#
SIP: 639-627#





Lm- Tan Buff, VF-FXLN, dns & tight, poor vis. por. barren

Lm- Cream Buff Drk Gray, CryptoXLN, tight cherty Ls w/o vis. por

Lm- Cream, FXLN, fsl, chalky in part, sctrd XLN por, barren

Lm- Cream Off White, Fn Grn & FXLN, mostly loosely cemented & abundant chalk, poor vis. por, barren & tight, well cemented, sl fsl w/ poor vis. por, chalky in part

Sh- Black Gray Green, fissile & carbonaceous, calcareous, waxy, fair amount argillaceous wash

Lm- Off White, Fn Grn, loosely cemented, chalky, abundant argillaceous wash & soft white chalk

Lm- Cream, VF-FXLN, dns tight mix of cherty Ls w/ sctrd micro XLN por & dolomitic Ls w/ consistent micro XLN por, all barren

Lm- A/A w/ loosely cemented chalky fsl Ls w/ dns XLN por, barren

Lm- Cream Buff, VF-FXLN, dns, well cemented, sl fsl, sctrd XLN por, some cherty Ls

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

Lm- Lt Gray, FXLN, sl fsl w/ fusulinids, sctrd-dns XLN por, sl chalky in part, barren

Lm- Cream Gray, FXLN, dns, well cemented, mostly tight w/ sctrd XLN por, abundant argillaceous clumps

Lm- Lt Gray, Buff, VF-FXLN, sl fsl, tight w/ dns micro & sctrd XLN por, barren

○ Lm- Cream Off White, FXLN, fsl & sl oolitic, sctrd XLN & rare fn ppt por, chalky in part, 2 PCS W/ DRK SCTRD STN, NSFO, TR ODR

Lm- Cream, FXLN, fsl, loosely cemented, chalky, sctrd XLN por, barren

Lm- Cream, FXLN, loosely cemented, chalky in part & soft white chalk, sctrd-dns mottling, poor sctrd XLN por, barren

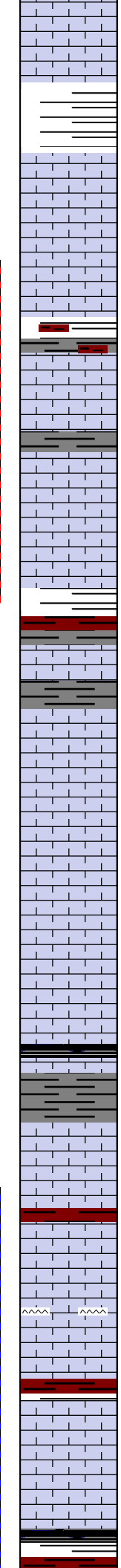
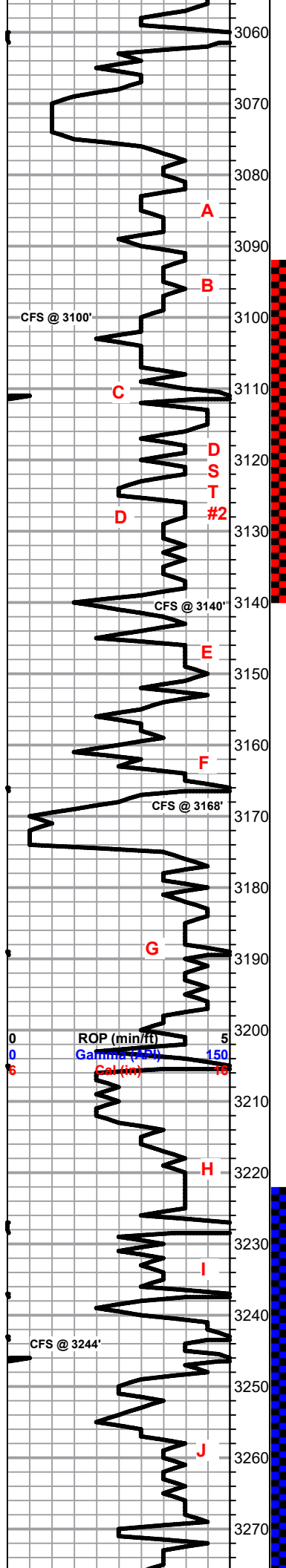
HEEBNER 3031' (-1163) E-LOG 3028' (-1160) Sh- Black Gray, fissile & carbonaceous, abundant argillaceous clumps

TORONTO 3053' (-1185) E-LOG 3049' (-1181) Lm- Off White, FXLN, sl fsl, mix of sl cherty Ls w/ sctrd XLN por & well cemented sl dolomitic Ls w/ dns XLN &

MUD-CO CK
@ 2939'

WT: 8.7
VIS: 57
WL: 5.6
CHLOR: 3050
LCM: 1#

2996.jpg



sctrd reXLN por, ALL W/ SCTRDT LT STN, NSFO, TR ODR, INSTANT SLW STRM WET CUT

Lm- Cream Off White, A/A, less dev. loosely cemented & some soft white chalk, barren

Sh- Gray Maroon, argillaceous wash, earthy & argillaceous

LKC 3076' (-1208) E-LOG 3076' (-1208) Lm- Cream Off White, FXLN, sl fsl, dns XLN & rare sctrd fn ppt por, LT STN, NSFO, NO ODR, WK STRM WET CUT

Lm- Cream Tan, FXLN, well cemented, sl cherty Ls w/ sctrd XLN por, barren

Sh- Gray Maroon, argillaceous clumps, earthy & argillaceous

Lm- Cream Off White, FXLN, oolitic & fsl w/ consistent XLN & ppt interoolite porosity throughout, LT STN, NSFO, TR ODR, INSTANT STRM WET CUT, mixed w/ fresh bedded sl fsl cryptoXLN chert

Lm- Cream, FXLN, fsl, sctrd XLN por, barren, some sl chalky in part

Lm- Cream, FXLN, fsl, massive, well cemented, dns XLN & ppt por, SCTRDT LT STN, TR FO, FR ODR

Lm- Off White, VFXLN, well cemented cherty Ls w/ sctrd XLN & ppt-vuggy por, SCTRDT DRK STN, GD SHW FO, GD ODR, FREE OIL FLOATING IN CUP

Sh- Gray Maroon Green, waxy, calcareous, argillaceous, earthy

Lm- Cream, FXLN, oolitic, massive, dns XLN & sctrd vry fn ppt por, 2 PCS W/ DRK STN, NSFO, TR ODR

Lm- Cream Off White, VF-FXLN, mix of cherty Ls w/ sctrd micro XLN & XLN por, sctrd reXLN por, 2-3 PCS W/ LT SCTRDT STN, NSFO, NO ODR, several pcs of vitreous chert, & sl fsl Ls w/ sctrd XLN por, some chalky in part, barren

Lm- Cream, FXLN, oolitic/oomoldic, dns XLN, sctrd vuggy, & sctrd reXLN por, SCTRDT LT STN, TR FO, WK ODR

Lm- Cream Off White, VF-FXLN, mostly dns & well cemented, sctrd XLN por, some loosely cemented & chalky in part, tight & barren, several pcs of oolitic vitreous chert

A/A w/ some soft white chalk

Sh- Black Gray Maroon, carbonaceous, earthy, argillaceous, waxy

Lm- Cream Lt Gray, VF-FXLN, dns & well cemented, sctrd micro XLN & XLN por, barren & tight

Lm- Cream, FXLN, well developed & oolitic, sctrd-dns XLN & fn ppt por, SCTRDT LT TO SAT STN, NSFO, FR ODR

Lm/Chert- FXLN, mix of sl fsl & well cemented w/ sctrd XLN por & several pcs of vitreous fresh bedded chert

Lm- Cream, FXLN, fsl mix, well dev. oolitic w/ fusulinids w/ dns fn ppt por., SAT LT STN, NSFO, WK ODR & sl fsl w/ sctrd XLN por, SCTRDT LT STN, NSFO, NO ODR

Lm- Cream Buff, VF-FXLN, dns, well cemented, poor vis. to sctrd micro XLN/XLN por, cherty & dolomitic Ls, tight & barren

Sh- Black Gray Green Maroon, carbonaceous, waxy, argillaceous, earthy

3058.jpg

3083.jpg

3110.jpg

3125.jpg

3130.jpg
SHORT TRIP CTCH

DST #2 LKC C-D
3093' - 3140'
30-45-30-45

45' MUD

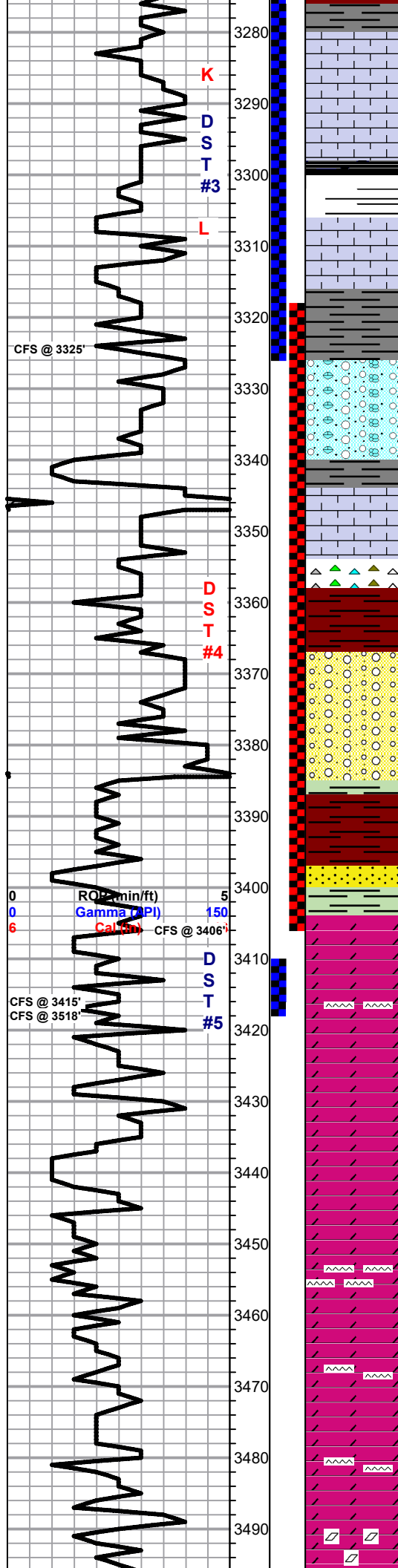
IFP: 26-39#
FFP: 39-41#
SIP: 564-500#

MUD-CO
CK @ 3154
WT: 8.9
VIS: 48
WL: 6.8
CHLOR: 4.500
LCM: 1#

3170.jpg

3235.jpg

3255.jpg



Lm- Off White, F-MedXLN, oolitic w/ mostly consistent fn ppt por. throughout, SCTRDRK STN, 1-2 PCS W/ TR FO, WK ODR

Lm- Cream Tan, FXLN, dns, well cemented w/ scdr XLN por, clean & barren, several pcs of cherty Ls

Sh- Black Gray Maroon, carbonaceous, argillaceous, earthy

Lm- Off White Cream, FXLN, dns, well cemented & tight w/ scdr XLN por, barren

BKC 3321' (-1453) E-LOG 3317' (-1449) Sh- Gray Maroon, calcareous, argillaceous, earthy

Ls- Cream Maroon tint, mostly well cemented w/ scdr XLN por, some gummy chalk

Sh- Gray Maroon, waxy, earthy

Lm/Chert- Cream, FXLN, oolitic, well cemented, dns, dns XLN & scdr fn ppt por, SCTRDRK STN, TR FO, TR ODR Chert- Various dark opaque fresh bedded & conglomerate vitreous chert

Sh- Maroon Gray, abundant argillaceous wash, semi-waxy

Conglomerate- Sh/Chert/Lm- various dark colored calcareous & argillaceous sh, various conglomerate & dolomitic bedded chert, bone white FXLN, friable, micro inclusions, barren

A/A w/o Lm

Sh- Mint Green Maroon, waxy & blocky, abundant argillaceous clumps

SIMPSON SAND 3400' (-1532) E-LOG 3396' (-1528) Ss- Clear Frosted, Med Grn, friable to mod cemented, sub-angular, mod sorting & consolidated, DRK STN, TR FO UPON CRUSH, GOOD SULPHURIC ODR, several pcs of cream FXLN dolomite, mixed of consistent XLN por throughout & consistent micro XLN por, SCTRDRK STN, TR FO, GOOD SULPHURIC ODR

ARBUCKLE 3409' (-1541) E-LOG 3404' (-1536)

3415'- Dol- White Cream, VF-MedXLN, mix of mostly well dev. from FXLN w/ consistent XLN por throughout, friable, DRK SAT STN, FR SFO, & sucrosic rhombic clusters w/ consistent ppt por. throughout, SCTRDRK STN, TR FO, & tight VFXLN, well cemented, sl cherty, TR LT STN, NSFO, ALL W/ GD SULPHURIC ODR

3418'- Dol/Chert- mix of cream Med-CrsXLN dol, semi-sucrosic, dns XLN to scdr fn ppt por, SCTRDRK STN, SFO, oolitic fresh bedded vitreous chert, several pcs sl oomoldic w/ scdr vuggy to dns XLN (possible fracturing??), SCTRDRK STN, SFO, some dolomitic chert & cherty dol., ALL W/ STRNG SULPHURIC ODR

3421'- Dol- Cream, FXLN, semi-sucrosic, consistent XLN por throughout, SUB-SAT LT STN, SFO, GD SULPHURIC ODR

3430'- Dol/Chert- CryptoXLN fresh bedded chert, dolomitic chert & cherty dolomite, barren

3440'- Dol- Cream Off White, F-MedXLN, sucrosic to semi-sucrosic, consistent XLN por throughout, SCTRDRK STN, FEW W/ BLK STN, SFO, GD SL PUNGENT SULPHURIC ODR

3450'- Dol/Chert- White Off White, VF-FXLN, friable, sucrosic & oolitic vitreous fresh bedded chert & cherty dolomite, several pcs of oomoldic dol. w/ microXLN por, all barren

3460'- Dol- Cream, VFXLN, dns, well cemented w/ consistent microXLN por, barren

3472'- Dol/Chert- Cream Off White, mix of VFXLN w/ poor vis to consistent microXLN por, all barren, some soft white chalk

3485'- Dol/Chert- Cream Lt Salmon, VFXLN, dns, well cemented w/ microXLN por, cherty dolomite/dolomitic chert

3495'- A/A w/ several pcs of CrsXLN Lt Salmon cherty dolomite, sucrosic w/ vis. large rhombs

3283.jpg

SHORT TRIP CTCH

DST #3
LKC I - L
3223' - 3325'
30-45-45-60

220' GIP
75' SLGCHMCO
(5% G, 55% O,
40% M)

IFP: 14-30#
FFP: 28-42#
SIP: 809-803#
BHT: 95 deg.

MUD-CO CK @
3325'

WT: 9.1
VIS: 52
WL: 6.4
CHLOR: 5,600
LCM: 1#

3350.jpg

DST #4
SIMPSON SAND
3319' - 3406'
30-45-45-60

CHARTS BELOW

150' GIP
219' TOTAL FLUID
30' GCMCO
(20% G, 60% O,
20% M)
63' SLGCHMCO
(10% G, 50% O,
40% M)
63' SLGCHMCO
(5% G, 35% O, 60%
M)
63' HOCM
(40% O, 60% M)

IFP: 23-60#
FFP: 62-109#
SIP: 1098-1087#

3402.jpg

DST 4.jpg

DST 4_C...

3415.jpg

3418.jpg

MUD-CO CK @
3418'

WT: 9.1
VIS: 48
WL: 6/8
CHLOR: 5,600
LCM: 1#

DST #5

ARBUCKLE
3410' - 3418'
15-45-45-90

540' GIP

1080' TOTAL
FLUID

63' HGCO
(40% G, 60% O)

957' HGCO
(45% G, 55% O)

60' OCGM
(20% G, 20% O,
60% M)

IFP: 89-160#
FFP: 182-416#
SIP: 1062-1026#
BHT: 103 deg.

DST 5.jpg

DST 5_C...

3421.jpg

3450.jpg

	3500		<u>RTD 3500' (-1632) LTD 3500' (-1632) @ 05:30 1/9/2023</u>	TD CFS SURVEY 3/4 TOH FOR LOG ELI LOG
	3510			

2818.jpg



2818'









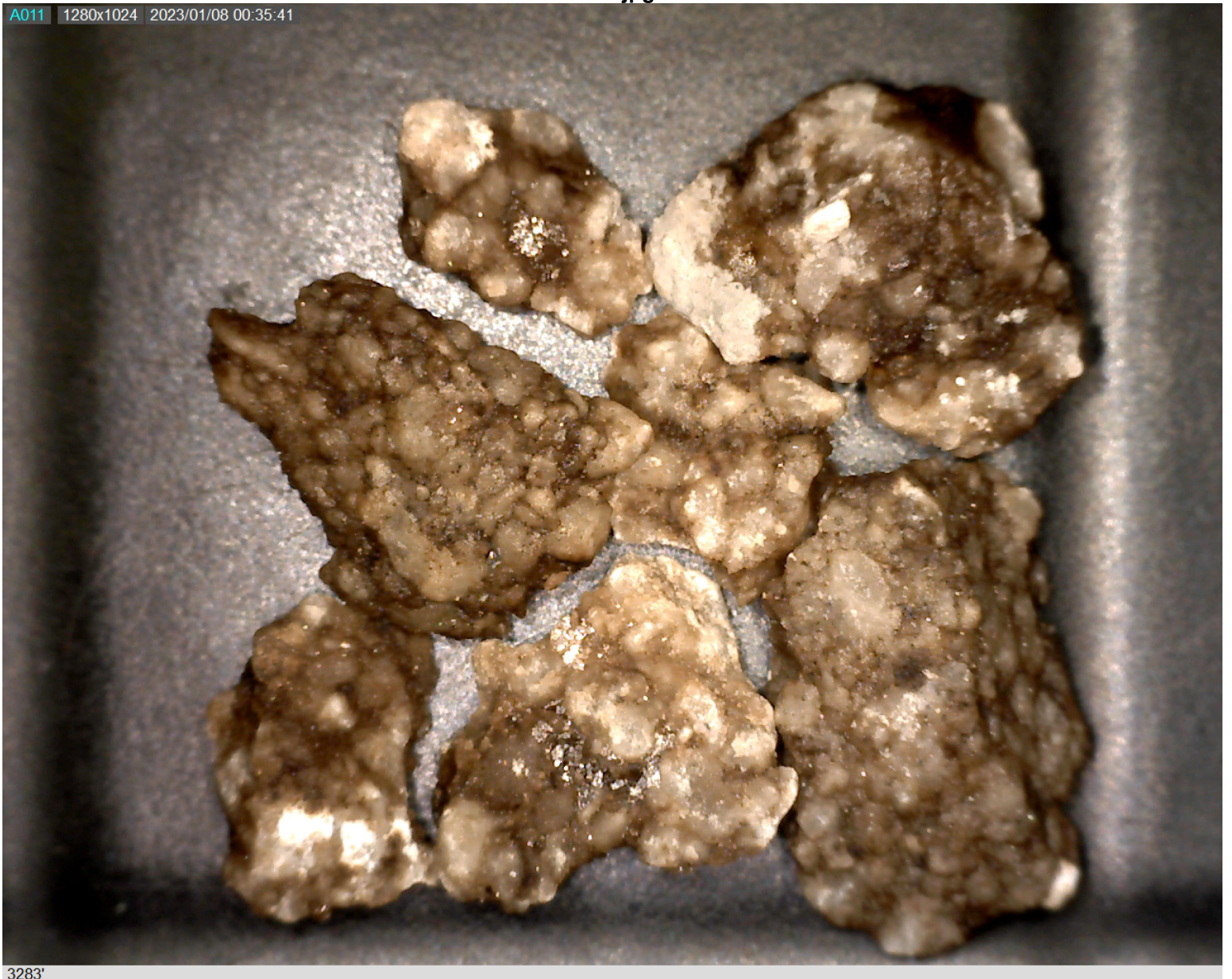












DST 3.jpg



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:
Uploading recovery &
pressures

DATE
January
08
2023

DST #3 Formation: LKC I - L Test Interval: 3223 - 3325' Total Depth: 3325'

Time On: 05:31 01/08 Time Off: 12:41 01/08
Time On Bottom: 08:02 01/08 Time Off Bottom: 11:02 01/08

Recovered

Foot	BBL/S
220	3.1306
75	0.7810606

Description of Fluid
G
SLGCHMCO

Gas %
100
5

Oil %
0
55

Water %
0
0

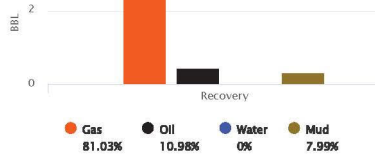
Mud %
0
40

Total Recovered: 295 ft

Total Barrels Recovered: 3.9116606

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1551	PSI
Initial Flow	14 to 30	PSI
Initial Closed in Pressure	809	PSI
Final Flow Pressure	28 to 42	PSI
Final Closed in Pressure	803	PSI
Final Hydrostatic Pressure	1539	PSI
Temperature	95	°F

Pressure Change Initial	0.7	%
Close / Final Close		

GIP cubic foot volume: 17.79602

DST 3_CHRT.jpg



Company: IA Operating, Inc.
Lease: Hall #11-1

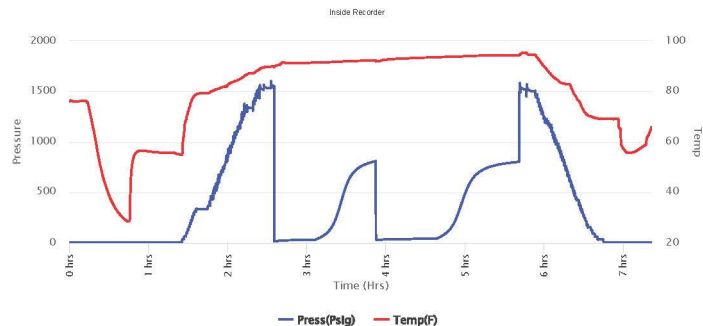
SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:
Uploading recovery &
pressures

DATE
January
08
2023

DST #3 Formation: LKC I - L Test Interval: 3223 - 3325' Total Depth: 3325'
Time On: 05:31 01/08 Time Off: 12:41 01/08
Time On Bottom: 08:02 01/08 Time Off Bottom: 11:02 01/08

Electronic Volume Estimate: 284'	<u>1st Open</u> Minutes: 30 Current Reading: 9" at 30 min Max Reading: 9"	<u>1st Close</u> Minutes: 45 Current Reading: 0" at 45 min Max Reading: 0"	<u>2nd Open</u> Minutes: 45 Current Reading: 22.8" at 45 min Max Reading: 22.8"	<u>2nd Close</u> Minutes: 60 Current Reading: 0" at 60 min Max Reading: 0"
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DST 4.jpg



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:
Uploading recovery &
pressures

DATE
January
08
2023

DST #4 Formation: Simpson Sand Test Interval: 3319 - 3406' Total Depth: 3406'

Time On: 22:49 01/08 Time Off: 06:00 01/09
Time On Bottom: 00:57 01/09 Time Off Bottom: 03:57 01/09

Recovered

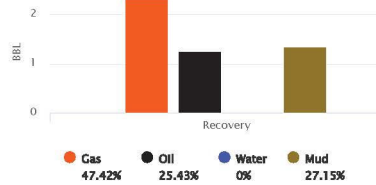
Foot	BBL/S	Description of Fluid	Gas %	Oil %	Water %	Mud %
150	2.1345	G	100	0	0	0
30	0.4269	GCMCO	20	60	0	20
63	0.89649	SLGCHMCO	10	50	0	40
63	0.89649	SLGCHOCM	5	35	0	60
63	0.6103006	HOCM	0	40	0	60

Total Recovered: 369 ft

Total Barrels Recovered: 4.9646806

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1617	PSI
Initial Flow	23 to 60	PSI
Initial Closed in Pressure	1098	PSI
Final Flow Pressure	62 to 109	PSI
Final Closed in Pressure	1087	PSI
Final Hydrostatic Pressure	1586	PSI
Temperature	96	°F
Pressure Change Initial Close / Final Close	1.1	%

GIP cubic foot volume: 13.21852

DST 4_CHRT.jpg



Company: IA Operating, Inc.
Lease: Hall #11-1

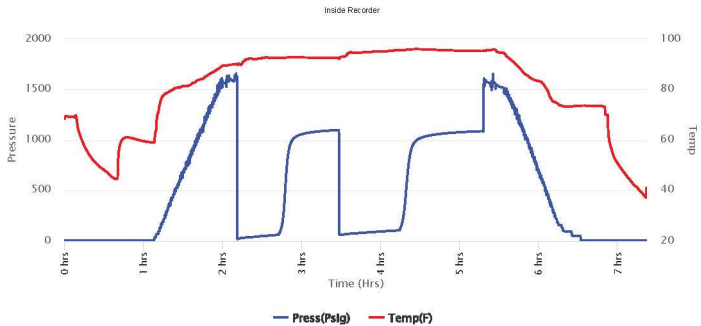
SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:
Uploading recovery &
pressures

DATE
January
08
2023

DST #4 Formation: Simpson Sand Test Interval: 3319 - 3406' Total Depth: 3406'
Time On: 22:49 01/08 Time Off: 06:00 01/09
Time On Bottom: 00:57 01/09 Time Off Bottom: 03:57 01/09

Electronic Volume Estimate: 332'	<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
	Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
	Current Reading: 13" at 30 min	Current Reading: 0" at 45 min	Current Reading: 22.6" at 45 min	Current Reading: 1.2" at 60 min
	Max Reading: 13"	Max Reading: 0"	Max Reading: 22.6"	Max Reading: 1.2"







DST 5.jpg



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:
Uploading recovery &
pressures

DATE
January
09
2023

DST #5 Formation: Arbuckle Test Interval: 3410 - 3418' Total Depth: 3418'

Time On: 13:25 01/09 Time Off: 22:32 01/09
Time On Bottom: 15:30 01/09 Time Off Bottom: 18:45 01/09

Recovered

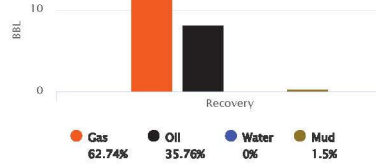
Foot	BBL/S	Description of Fluid	Gas %	Oil %	Water %	Mud %
540	7.6842	G	100	0	0	0
63	0.89649	HGCO	40	60	0	0
957	13.61811	HGCO	45	55	0	0
60	0.5676106	OCGCM	20	20	0	60

Total Recovered: 1620 ft

Total Barrels Recovered: 22.7664106

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1665	PSI
Initial Flow	89 to 160	PSI
Initial Closed in Pressure	1062	PSI
Final Flow Pressure	182 to 416	PSI
Final Closed in Pressure	1026	PSI
Final Hydrostatic Pressure	1635	PSI
Temperature	103	°F

Pressure Change Initial
Close / Final Close 3.4 %

GIP cubic foot volume: 80,20014

DST 5_CHRT.jpg



Company: IA Operating, Inc.
Lease: Hall #11-1

SEC: 11 TWN: 12S RNG: 16W
County: ELLIS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 4
Elevation: 1860 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 630
API #: 15-051-27068

Operation:
Uploading recovery &
pressures

DATE
January
09
2023

DST #5 Formation: Arbuckle Test Interval: 3410 - 3418' Total Depth: 3418'

Time On: 13:25 01/09 Time Off: 22:32 01/09
Time On Bottom: 15:30 01/09 Time Off Bottom: 18:45 01/09

Electronic Volume
Estimate:
1643'

1st Open
Minutes: 15
Current Reading:
68.9" at 15 min
Max Reading: 68.9"

1st Close
Minutes: 45
Current Reading:
12.1" at 45 min
Max Reading: 12.1"

2nd Open
Minutes: 45
Current Reading:
121.2" at 45 min
Max Reading: 121.2"

2nd Close
Minutes: 90
Current Reading:
13" at 90 min
Max Reading: 13"

