

Confidentiality Requested:

Yes No

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

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	C & S Oil Company, LLC
Well Name	ROCKING P 1
Doc ID	1484285

All Electric Logs Run

DIL
CDN
Micro
Sonic

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. 1544

Date	9-26-19	Sec.	18	Twp.	11	Range	14	County	Russell	State	KS	On Location		Finish	9:00	
Lease	Rocking P.		Well No.	1		Location Fort Port E 126th 4th 4 1/2 1/2										
Contractor	FLEX				Owner To Quality Oilwell Cementing, Inc.											
Type Job	S-1000				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	12 1/4		T.D.	221		Charge To CAS Oil Company										
Csg.	8 5/8		Depth	220		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.	10		Shoe Joint			Cement Amount Ordered 150 3/20 31-00 21/400										
Meas Line			Displace	1334												
EQUIPMENT																
Pumptrk	17	No.	Cementer	Lance		Common										
			Helper	Tony F		Poz. Mix										
Bulktrk		No.	Driver			Gel.										
Bulktrk	3	No.	Driver	Lance		Calcium										
JOB SERVICES & REMARKS																
Remarks:											Hulls					
Rat Hole											Salt					
Mouse Hole											Flowseal					
Centralizers											Kol-Seal					
Baskets											Mud CLR 48					
D/V or Port Collar											CFL-117 or CD110 CAF 38					
8 5/8 on bottom Est. Location												Sand				
Mix 1500 & Displace												Handling				
Cement (Lance)												Mileage				
												FLOAT EQUIPMENT 8 5/8 50 ft				
												Guide Shoe				
												Centralizer				
												Baskets				
												AFU Inserts				
												Float Shoe				
												Latch Down				
												Pumptrk Charge				
												Mileage				
												Tax				
												Discount				
												Total Charge				
X Signature	[Signature]															

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. 1547

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-3-19	18	11	14	RENSSELAIRE	KS		Good

Location *FR-D 15 10300 40 4E 15N E10*

Lease <i>Rock as P</i>	Well No. <i>1</i>	Owner
Contractor <i>FLO</i>		To Quality Oilwell Cementing, Inc.
Type Job <i>Rock Pkg</i>		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 <i>5 7/8</i>	T.D. <i>3500</i>	Charge To <i>1501</i>
Csg.	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.	Shoe Joint	Cement Amount Ordered <i>255 2 1/4 4 1/2 6 1/2 4 1/2 10</i>

Meas Line Displace

EQUIPMENT			
Pumptrk <i>5</i>	No.	Cementer	Common
		Helper	
Bulktrk	No.	Driver	Poz. Mix
		Driver	
Bulktrk <i>3</i>	No.	Driver	Gel.
		Driver	

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole <i>20SK</i>	Salt
Mouse Hole <i>15SK</i>	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>1st 3470 50SK</i>	Sand
<i>2nd 930 50SK</i>	Handling
<i>3rd 500 100SK</i>	Mileage
<i>4th 40 10SK</i>	
	Float Equipment <i>8 1/2" ID 16 1/2" Plug</i>
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage

	Tax
	Discount
	Total Charge

X Signature *[Handwritten Signature]*

MUD LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: **Rocking P #1**
 Well Id: **15-167-24095**
 Location: **SW NW SE SW Sec.18 T11S R14W**
 License Number:
 Spud Date: **9/26/2019**
 Surface Coordinates: **930' FSL & 1567' FWL**
 Region:
 Drilling Completed: **10/3/2019**

Bottom Hole Coordinates:
 Ground Elevation (ft): **1766**
 Logged Interval (ft): **2850**
 Type of Drilling Fluid: **Gel based mud**
 K.B. Elevation (ft): **1792**
 Total Depth (ft): **3500'**

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: **C & S Oil Company LLC**
 Address: **325 S Elm St Russell, Ks 67665**

GEOLOGIST

Name: **Chad Counts**
 Company: **MG Oil Inc.**
 Address: **1256 W. Hwy 40 Russell, Ks 67665**

Comments

The Rocking P #1 was drilled with Flex Drilling Company tools beginning 9-26-2019, and ending 10-3-2019.

Structurally, the well ran 1' high to the Christer Roda A-1 down through the KC1. This referenced well had fair shows, along with bottom hole pressures in drill stem tests from the KC F and KC I intervals. As indicated by the drill stem tests, the same reserves were not similar at the Rocking P#1 location.

Based upon shows, and the four negative drill stem tests it was decided by all parties to plug and abandon the Rocking P #1.

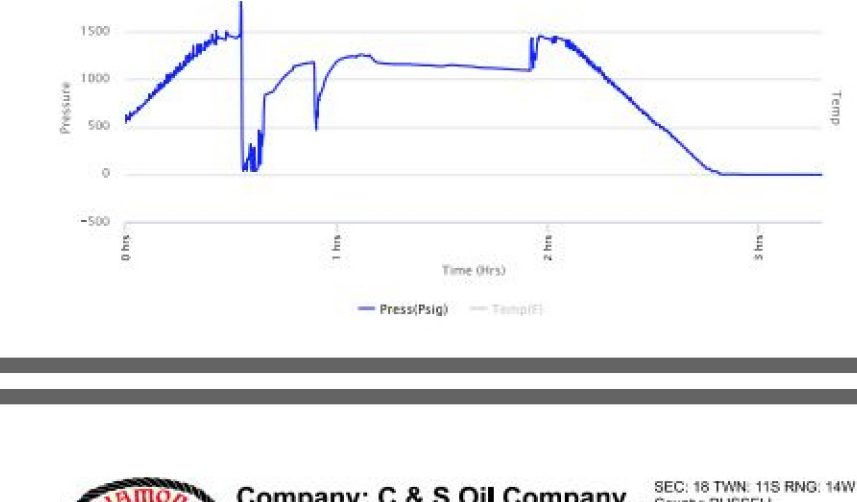
Respectfully,
 Chad Counts

Formation	Formation Tops						Drilling Location	
	Christer Roda A1	Christer Roda B1	Christer Roda C1	Christer Roda D1	Christer Roda E1	Christer Roda F1	Sample Top	Log Top
Anhydrite Top	882	-3	895	-36	896	-7	943 (843)	912' (873)
Anhydrite Base	848	-3	859	-14	851	-6	2864' (-373)	2662' (-471)
Howard	-870	-1	-874	0	-871	0	2784' (-1196)	2714' (-1323)
Topeka "20"	-923	0	-926	5	-923	0	2792' (-1069)	2796' (-1065)
King Hill Shale	-1006	1	-1011	6	-1007	2	2861' (-1070)	2859' (-1068)
Queen Hill Shale	-1068	0	-1073	5	-1069	3	2935' (-1144)	2933' (-1142)
Heebner Shale	-1142	0	-1149	7	-1145	3	2957' (-1164)	2952' (-1161)
Toronto	-1162	1	-1169	8	-1165	4	3121' (-1230)	3123' (-1232)
Lansing	-1196	1	-1203	9	-1197	2	3194' (-1403)	3191' (-1406)
Muncie Creek	-1329	4	-1340	9	-1333	1	3252' (-1461)	3248' (-1457)
Stark	-1400	1	-1413	13	-1406	6	3407' (-1632)	3418' (-1623)
BKC	-1459	1	-1473	16	-1462	5		
Simpson Shale	NDE	NDE	NDE	NDE	NDE	NDE		
Arbuckle	NDE	NDE	NDE	NDE	NDE	NDE		

Company: **C & S Oil Company, LLC**
 Lease: **Rocking P #1**

DATE: **01/20/2019**
 Formation: **Topeka**
 Test Interval: **2707' - 2742'**
 Total Depth: **2742'**

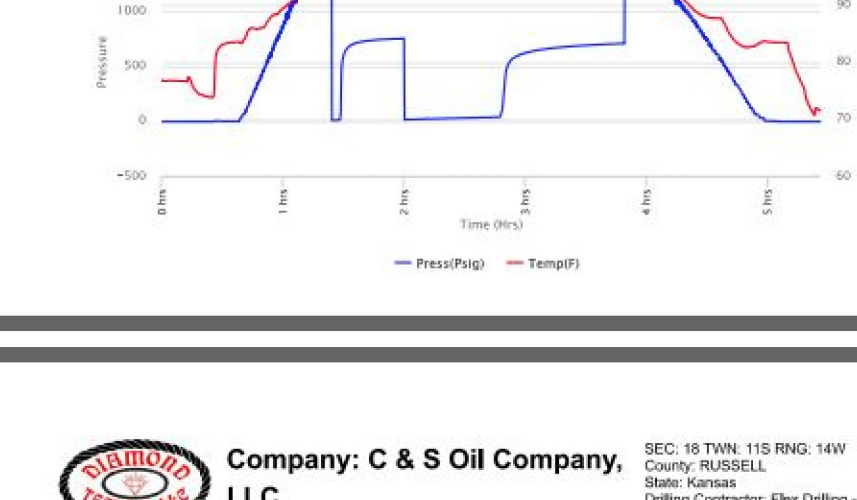
Time On: 01:10:00
 Time Off: 02:07:00
 Time On Bottom: 02:47:00
 Time Off Bottom: 04:07:00



Company: **C & S Oil Company, LLC**
 Lease: **Rocking P #1**

DATE: **01/20/2019**
 Formation: **Lan D**
 Test Interval: **3025' - 3038'**
 Total Depth: **3038'**

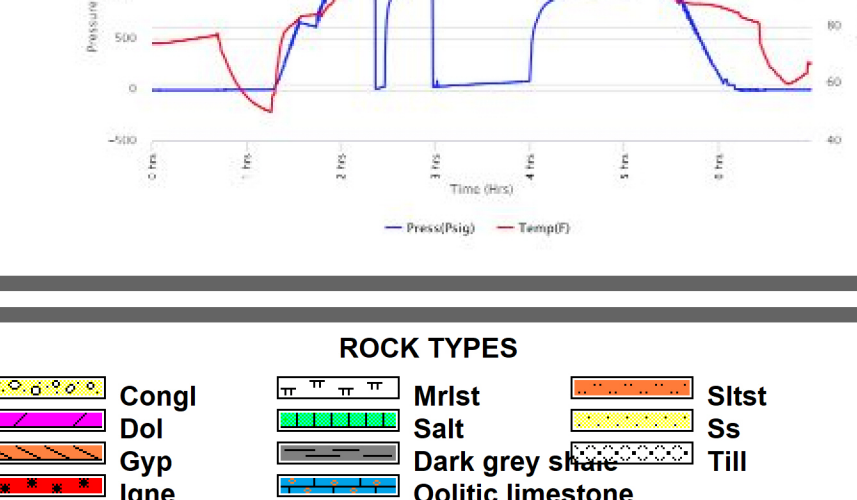
Time On: 01:07:00
 Time Off: 02:03:00
 Time On Bottom: 02:22:00
 Time Off Bottom: 03:42:00



Company: **C & S Oil Company, LLC**
 Lease: **Rocking P #1**

DATE: **01/20/2019**
 Formation: **Lan E**
 Test Interval: **3048' - 3057'**
 Total Depth: **3057'**

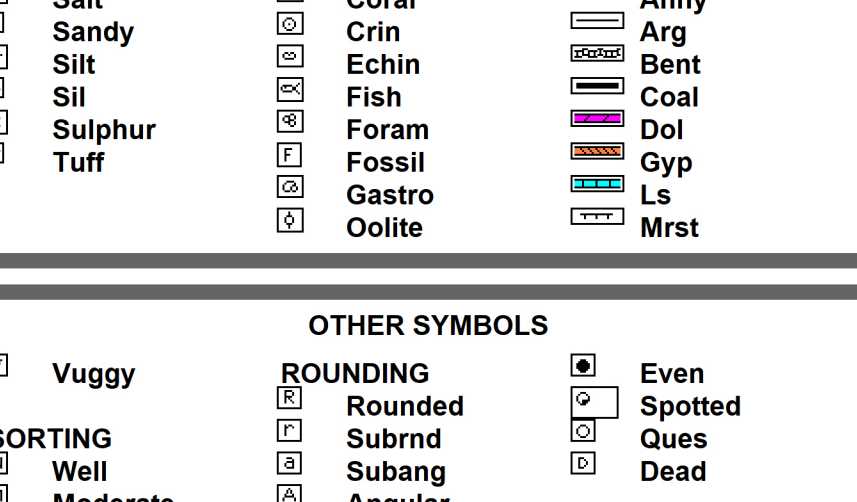
Time On: 12:30:00
 Time Off: 01:05:00
 Time On Bottom: 14:09:00
 Time Off Bottom: 16:29:00



Company: **C & S Oil Company, LLC**
 Lease: **Rocking P #1**

DATE: **03/20/2019**
 Formation: **Lan K**
 Test Interval: **3138' - 3171'**
 Total Depth: **3171'**

Time On: 05:21:00
 Time Off: 12:05:00
 Time On Bottom: 07:37:00
 Time Off Bottom: 10:12:00



ROCK TYPES

LITHOLOGY
 Anhy, Brec, Chit, Clyst, Coal

CONG
 Dol, Gyp, Lign, Lmst, Meta

MIST
 Salt, Dark grey siltstone, Shale, Schol, Shgy

SIST
 Till

OIL SHOW
 Fair even

ACCESSORIES

Gyp, Hymim, Kaol, Marl, Nodule, Phos, Pyr, Salt, Sandy, Silt, Sil, Sulphur, Tuff

Algae, Amph, Belm, Bioclst, Brach, Bryozoa, Cephal, Coral, Crin, Echin, Fish, Foram, Fossil, Gastro, Oolite

Ostra, Pelec, Pellet, Pisolite, Plant, Strom

STRINGER
 Anhy, Arg, Bent, Coal, Dol, Gyp, Ls, Mrst

Siltstrg, Ssstrg

TEXTURE
 Boundst, Chalky, Crxln, Earthy, Grainst, Lithogr, Microxln, Mudst, Packst, Wackest

OTHER SYMBOLS

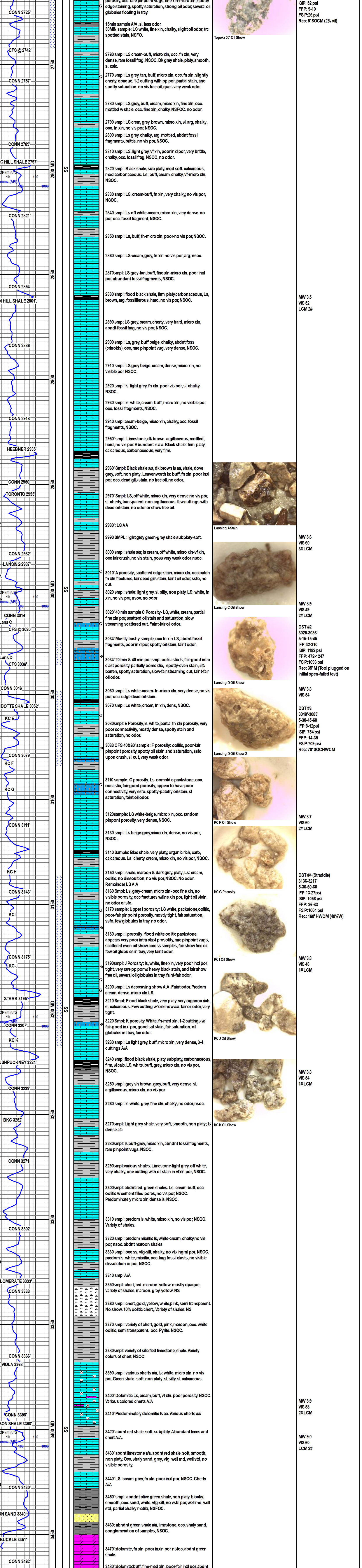
POROSITY
 Earthy, Fenest, Fracture, Inter, Motic, Organic, Pinpoint

ROUNDING
 Rounded, Subrnd, Subang, Angular

EVENT
 Even, Spotted, Quces, Dead, Core, Dst

SORTING
 Well, Moderate, Poor

OIL SHOW
 Fair even



*Well Log measurements are 2' higher than drilling measurements.

DST #1
 2707-2742'
 20-20-20 psi
 FFP: 5-psi
 FFP: 9-10 psi
 FSP: 25 psi
 Rec: 8' SOCM (2% oil)

DST #2
 3025-3038'
 5-30-40 psi
 FFP: 8-12 psi
 FFP: 754 psi
 FSP: 100 psi
 Rec: 8' SOCHWCM

DST #3
 3048-3057'
 5-30-40 psi
 FFP: 8-12 psi
 FFP: 754 psi
 FSP: 100 psi
 Rec: 8' SOCHWCM

DST #4
 3138-3171'
 5-30-40 psi
 FFP: 8-12 psi
 FFP: 754 psi
 FSP: 100 psi
 Rec: 16' HWCM (40%W)

MW 8.7
 Vis 5.5
 4# LCM

MW 8.5
 Vis 5.6
 4# LCM

MW 8.6
 Vis 6.0
 3# LCM

MW 8.9
 Vis 4.9
 2# LCM

MW 8.8
 Vis 5.8
 2# LCM

MW 8.8
 Vis 5.4
 1# LCM

MW 8.8
 Vis 5.4
 1# LCM

MW 8.9
 Vis 5.8
 2# LCM

MW 8.9
 Vis 6.0
 2# LCM

MW 8.9
 Vis 6.0
 2# LCM



Company: C & S Oil Company, LLC
Lease: Rocking P #1

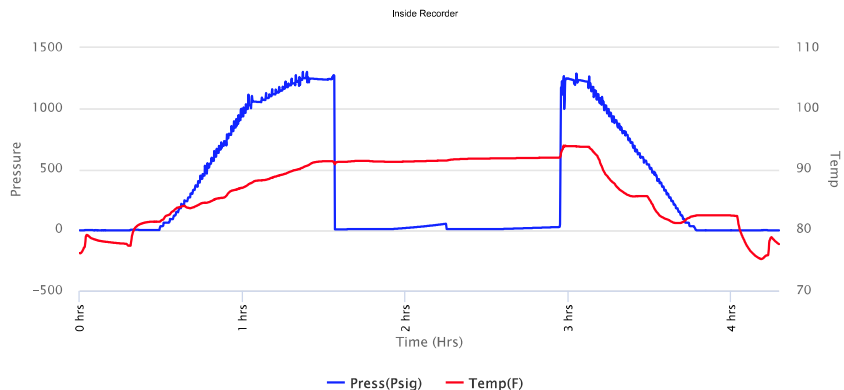
SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

DATE
 September
30
 2019

DST #1 **Formation: Topeka** **Test Interval: 2707 - 2742'** **Total Depth: 2742'**
 Time On: 01:16 09/30 Time Off: 05:27 09/30
 Time On Bottom: 02:47 09/30 Time Off Bottom: 04:07 09/30

Electronic Volume Estimate: 4'	<u>1st Open</u> Minutes: 20 Current Reading: .6" at 20 min Max Reading: .6"	<u>1st Close</u> Minutes: 20 Current Reading: 0" at 20 min Max Reading: 0"	<u>2nd Open</u> Minutes: 20 Current Reading: 0" at 20 min Max Reading: 0"	<u>2nd Close</u> Minutes: 20 Current Reading: 0" at 20 min Max Reading: 0"
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Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
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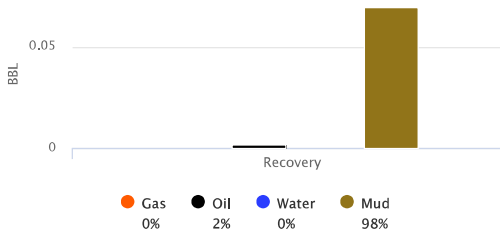
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
5	0.07115	SLOCM	0	2	0	98

Total Recovered: 5 ft
 Total Barrels Recovered: 0.07115

Reversed Out
NO

Initial Hydrostatic Pressure	1241	PSI
Initial Flow	5 to 8	PSI
Initial Closed in Pressure	52	PSI
Final Flow Pressure	9 to 10	PSI
Final Closed in Pressure	26	PSI
Final Hydrostatic Pressure	1238	PSI
Temperature	92	°F
Pressure Change Initial Close / Final Close	50.9	%

Recovery at a glance



GIP cubic foot volume: 0



Company: C & S Oil Company, LLC

Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
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Field Name: Wildcat
Pool: WILDCAT
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Operation:
Uploading recovery & pressures

DATE
September
30
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DST #1 Formation: Topeka Test Interval: 2707 - 2742' Total Depth: 2742'
Time On: 01:16 09/30 Time Off: 05:27 09/30
Time On Bottom: 02:47 09/30 Time Off Bottom: 04:07 09/30

BUCKET MEASUREMENT:
1st Open: Built to .6
1st Close: No Blow
2nd Open: No Blow
2nd Close: No Blow

REMARKS:
Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



Company: C & S Oil Company, LLC

Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 398
API #: 15-167-24095-00-00

Operation:
Uploading recovery & pressures

DATE
September

DST #1 Formation: Topeka Test Interval: 2707 - 2742' Total Depth: 2742'

30
2019

Time On: 01:16 09/30 Time Off: 05:27 09/30
Time On Bottom: 02:47 09/30 Time Off Bottom: 04:07 09/30

Down Hole Makeup

Heads Up: 14.74 FT	Packer 1: 2702 FT
Drill Pipe: 2696.58 FT <i>ID-3 1/3</i>	Packer 2: 2707 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 2694 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 2743 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 35	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 34 FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/3</i>	
Change Over: FT	
Perforations: (below): FT <i>4 1/2-FH</i>	



Operation:
Uploading recovery &
pressures

**Company: C & S Oil Company,
LLC
Lease: Rocking P #1**

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
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DATE
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2019

DST #1 Formation: Topeka Test Interval: 2707 - 2742' Total Depth: 2742'

Time On: 01:16 09/30 Time Off: 05:27 09/30
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Mud Properties

Mud Type: Chemical **Weight:** **Viscosity:** **Filtrate:** **Chlorides:** ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



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Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

DATE
 October
01
 2019

DST #2 **Formation: Lan D** **Test Interval: 3025 - 3036'** **Total Depth: 3036'**

Time On: 01:07 10/01 Time Off: 05:03 10/01
 Time On Bottom: 02:22 10/01 Time Off Bottom: 03:42 10/01

Electronic Volume Estimate:
 12'

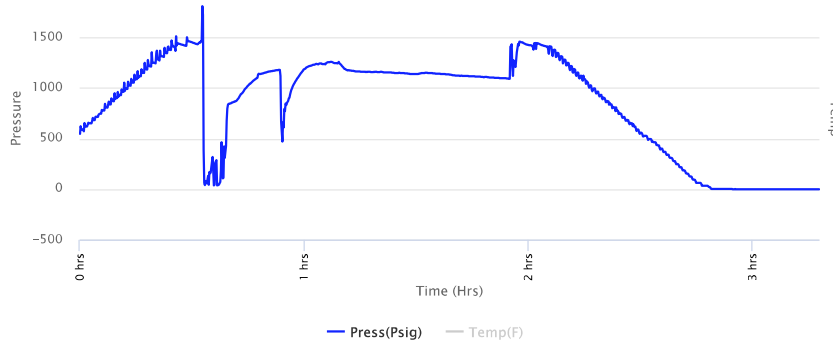
1st Open
 Minutes: 5
 Current Reading: 1.5" at 5 min
 Max Reading: 1.5"

1st Close
 Minutes: 15
 Current Reading: 0" at 15 min
 Max Reading: 0"

2nd Open
 Minutes: 15
 Current Reading: 0" at 15 min
 Max Reading: 0"

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

Inside Recorder



Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

DATE
 October
01
 2019

DST #2 **Formation: Lan D** **Test Interval: 3025 - 3036'** **Total Depth: 3036'**

Time On: 01:07 10/01 Time Off: 05:03 10/01
 Time On Bottom: 02:22 10/01 Time Off Bottom: 03:42 10/01

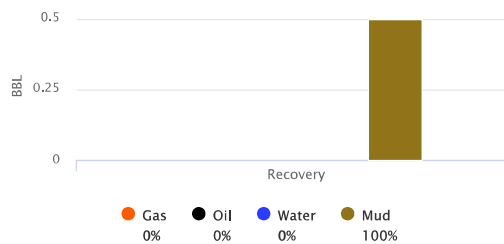
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
35	0.49805	M	0	0	0	100

Total Recovered: 35 ft
 Total Barrels Recovered: 0.49805

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1440	PSI
Initial Flow	42 to 310	PSI
Initial Closed in Pressure	1182	PSI
Final Flow Pressure	472 to 1247	PSI
Final Closed in Pressure	1093	PSI
Final Hydrostatic Pressure	1455	PSI
Temperature	102	°F

Pressure Change Initial Close / Final Close 7.5 %

GIP cubic foot volume: 0



Company: C & S Oil Company, LLC

Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 398
API #: 15-167-24095-00-00

Operation:
Uploading recovery & pressures

DATE
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DST #2 Formation: Lan D Test Interval: 3025 - 3036' Total Depth: 3036'
Time On: 01:07 10/01 Time Off: 05:03 10/01
Time On Bottom: 02:22 10/01 Time Off Bottom: 03:42 10/01

BUCKET MEASUREMENT:

1st Open: Built to 1.5
1st Close: No Blow
2nd Open: No Blow
2nd Close: No Blow

REMARKS:

Slid a few feet near bottom

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



Company: C & S Oil Company, LLC

Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 398
API #: 15-167-24095-00-00

Operation:
Uploading recovery & pressures

DATE
October

DST #2 Formation: Lan D Test Interval: 3025 - 3036' Total Depth: 3036'

01
2019

Time On: 01:07 10/01 Time Off: 05:03 10/01
Time On Bottom: 02:22 10/01 Time Off Bottom: 03:42 10/01

Down Hole Makeup

Heads Up: 20.86 FT	Packer 1: 3020 FT
Drill Pipe: 3020.7 FT <i>ID-3 1/3</i>	Packer 2: 3025 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3012 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3037 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 11	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 10 FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/3</i>	
Change Over: FT	
Perforations: (below): FT <i>4 1/2-FH</i>	



Operation:
Uploading recovery &
pressures

Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 398
API #: 15-167-24095-00-00

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DST #2 Formation: Lan D Test Interval: 3025 - 3036' Total Depth: 3036'

Time On: 01:07 10/01 Time Off: 05:03 10/01
Time On Bottom: 02:22 10/01 Time Off Bottom: 03:42 10/01

Mud Properties

Mud Type: Chemical **Weight:** 8.6 **Viscosity:** 56 **Filtrate:** 8.8 **Chlorides:** 3800 ppm



Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

DATE
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DST #2 **Formation: Lan D** **Test Interval: 3025 - 3036'** **Total Depth: 3036'**
 Time On: 01:07 10/01 Time Off: 05:03 10/01
 Time On Bottom: 02:22 10/01 Time Off Bottom: 03:42 10/01

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: C & S Oil Company, LLC
Lease: Rocking P #1

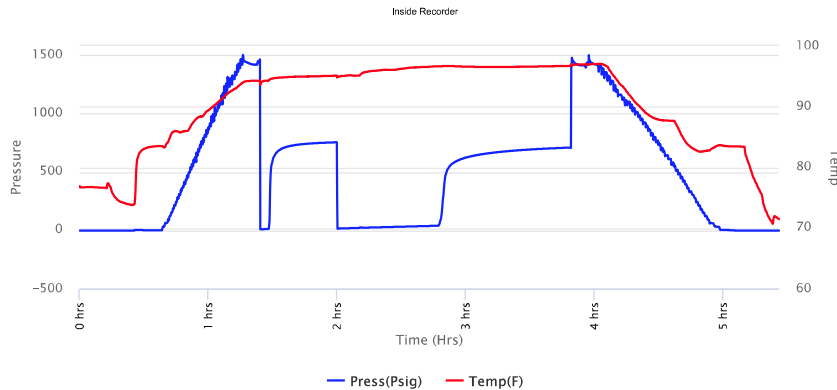
SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

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DST #3 Formation: Lan E-F Test Interval: 3048 - 3083' Total Depth: 3083'
 Time On: 12:50 10/01 Time Off: 18:05 10/01
 Time On Bottom: 14:09 10/01 Time Off Bottom: 16:29 10/01

Electronic Volume Estimate: 63'	<u>1st Open</u> Minutes: 5 Current Reading: 1.8" at 5 min Max Reading: 1.8"	<u>1st Close</u> Minutes: 30 Current Reading: 0" at 30 min Max Reading: 0"	<u>2nd Open</u> Minutes: 45 Current Reading: 6.1" at 45 min Max Reading: 6.1"	<u>2nd Close</u> Minutes: 60 Current Reading: 0" at 60 min Max Reading: 0"
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Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

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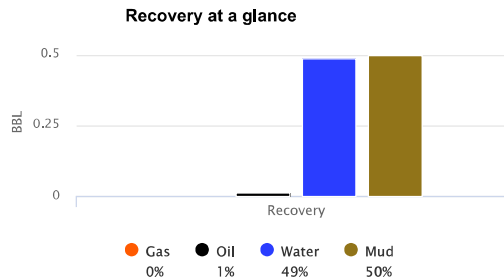
DST #3 Formation: Lan E-F Test Interval: 3048 - 3083' Total Depth: 3083'
 Time On: 12:50 10/01 Time Off: 18:05 10/01
 Time On Bottom: 14:09 10/01 Time Off Bottom: 16:29 10/01

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
70	0.9961	SLOCHWCM	0	1	49	50

Total Recovered: 70 ft
 Total Barrels Recovered: 0.9961

Reversed Out
 NO

Initial Hydrostatic Pressure	1419	PSI
Initial Flow	8 to 12	PSI
Initial Closed in Pressure	754	PSI
Final Flow Pressure	14 to 39	PSI
Final Closed in Pressure	709	PSI
Final Hydrostatic Pressure	1415	PSI
Temperature	97	°F
Pressure Change Initial Close / Final Close	6.0	%



GIP cubic foot volume: 0



Company: C & S Oil Company, LLC

Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 398
API #: 15-167-24095-00-00

Operation:
Uploading recovery & pressures

DATE
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DST #3 Formation: Lan E-F Test Interval: 3048 - 3083' Total Depth: 3083'
Time On: 12:50 10/01 Time Off: 18:05 10/01
Time On Bottom: 14:09 10/01 Time Off Bottom: 16:29 10/01

BUCKET MEASUREMENT:

1st Open: Built to 1.8
1st Close: No Blow
2nd Open: Built 6.1
2nd Close: No Blow

REMARKS:

Tool Sample: 0% Gas 0% Oil 80% Water 20% Mud
Chlorides: 44000 ppm



Company: C & S Oil Company, LLC

Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 398
API #: 15-167-24095-00-00

Operation:
Uploading recovery & pressures

DATE
October

DST #3 Formation: Lan E-F Test Interval: 3048 - 3083' Total Depth: 3083'

01
2019

Time On: 12:50 10/01 Time Off: 18:05 10/01
Time On Bottom: 14:09 10/01 Time Off Bottom: 16:29 10/01

Down Hole Makeup

Heads Up: 29.93 FT	Packer 1: 3043 FT
Drill Pipe: 3052.77 FT <i>ID-3 1/3</i>	Packer 2: 3048 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3035 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3084 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 35	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 34 FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/3</i>	
Change Over: FT	
Perforations: (below): FT <i>4 1/2-FH</i>	



Operation:
Uploading recovery &
pressures

**Company: C & S Oil Company,
LLC
Lease: Rocking P #1**

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 398
API #: 15-167-24095-00-00

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DST #3 Formation: Lan E-F Test Interval: 3048 - 3083' Total Depth: 3083'
Time On: 12:50 10/01 Time Off: 18:05 10/01
Time On Bottom: 14:09 10/01 Time Off Bottom: 16:29 10/01

Mud Properties

Mud Type: Chemical **Weight:** 8.8 **Viscosity:** 54 **Filtrate:** 8.8 **Chlorides:** 5000 ppm



Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery &
 pressures

DATE
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DST #3 Formation: Lan E-F Test Interval: 3048 - 3083' Total Depth: 3083'
 Time On: 12:50 10/01 Time Off: 18:05 10/01
 Time On Bottom: 14:09 10/01 Time Off Bottom: 16:29 10/01

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

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DST #4 **Formation: Lan I-K** **Test Interval: 3136 - 3217'** **Total Depth: 3499'**
 Time On: 05:21 10/03 Time Off: 12:05 10/03
 Time On Bottom: 07:37 10/03 Time Off Bottom: 10:12 10/03

Electronic Volume Estimate: 142'

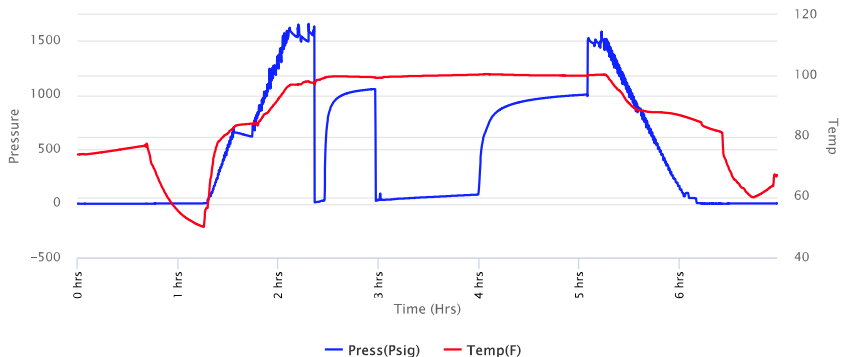
1st Open
 Minutes: 5
 Current Reading: 4.4" at 5 min
 Max Reading: 4.4"

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

2nd Open
 Minutes: 60
 Current Reading: 13" at 60 min
 Max Reading: 13"

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

Inside Recorder



Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

DATE
 October
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 2019

DST #4 **Formation: Lan I-K** **Test Interval: 3136 - 3217'** **Total Depth: 3499'**
 Time On: 05:21 10/03 Time Off: 12:05 10/03
 Time On Bottom: 07:37 10/03 Time Off Bottom: 10:12 10/03

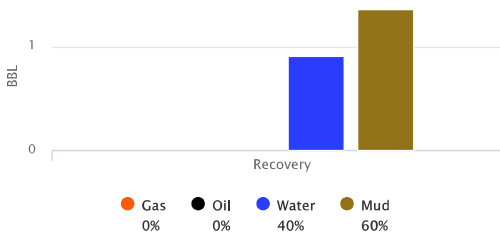
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
160	2,2768	HWCM	0	0	40	60

Total Recovered: 160 ft
 Total Barrels Recovered: 2,2768

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1567	PSI
Initial Flow	13 to 27	PSI
Initial Closed in Pressure	1056	PSI
Final Flow Pressure	26 to 83	PSI
Final Closed in Pressure	1004	PSI
Final Hydrostatic Pressure	1483	PSI
Temperature	101	°F

Pressure Change Initial Close / Final Close 4.9 %

GIP cubic foot volume: 0



Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

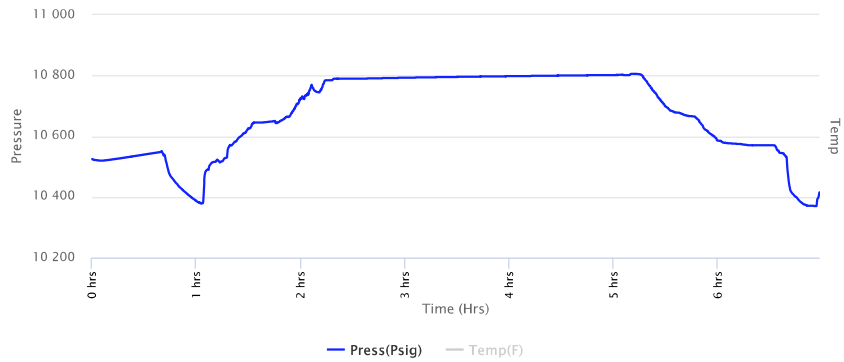
DATE
 October
03
 2019

DST #4 **Formation: Lan I-K** **Test Interval: 3136 - 3217'** **Total Depth: 3499'**
 Time On: 05:21 10/03 Time Off: 12:05 10/03
 Time On Bottom: 07:37 10/03 Time Off Bottom: 10:12 10/03

BUCKET MEASUREMENT:
 1st Open: BOB in 4.4 min
 1st Close: No Blow
 2nd Open: Built to 13"
 2nd Close: No Blow

REMARKS:
 Tool Sample: 0% Gas 0% Oil 50% Water 50% Mud
 Chlorides: 58000 ppm

Below Straddle Recorder



Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

DATE
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DST #4 **Formation: Lan I-K** **Test Interval: 3136 - 3217'** **Total Depth: 3499'**

03
2019

Time On: 05:21 10/03 Time Off: 12:05 10/03
Time On Bottom: 07:37 10/03 Time Off Bottom: 10:12 10/03

Down Hole Makeup

Heads Up: 35.33 FT	Packer 1: 3130.9 FT
Drill Pipe: 3146.07 FT <i>ID-3 1/3</i>	Packer 2: 3135.9 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Packer 3: 3217 FT
Collars: FT <i>ID-2 1/4</i>	Top Recorder: 3122.9 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Bottom Recorder: 3213 FT
Total Anchor: 81.1	Below Straddle Recorder: 3479 FT
Anchor Makeup	Well Bore Size: 7 7/8
Packer Sub: 1 FT	Surface Choke: 1"
Perforations: (top): 9 FT <i>4 1/2-FH</i>	Bottom Choke: 5/8"
Change Over: 1 FT	
Drill Pipe: (in anchor): 64.1 FT <i>ID-3 1/3</i>	
Change Over: 1 FT	
Perforations: (below): 5 FT <i>4 1/2-FH</i>	
STRADDLE	
Straddle Packer(s): 1 FT	
Change Over: 2 FT	
Drill Pipe: 256.2 FT <i>ID-3 1/2"</i>	
Change Over: 1 FT	
Perforations (in tail pipe): 21 FT <i>4 1/2-FH</i>	



Operation:
Uploading recovery &
pressures

**Company: C & S Oil Company,
LLC
Lease: Rocking P #1**

SEC: 18 TWN: 11S RNG: 14W
County: RUSSELL
State: Kansas
Drilling Contractor: Flex Drilling - Rig 1
Elevation: 1788 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 398
API #: 15-167-24095-00-00

DATE
October
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2019

DST #4 Formation: Lan I-K Test Interval: 3136 - 3217' Total Depth: 3499'

Time On: 05:21 10/03 Time Off: 12:05 10/03
Time On Bottom: 07:37 10/03 Time Off Bottom: 10:12 10/03

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 84 **Filtrate:** 10.4 **Chlorides:** 7000 ppm



Company: C & S Oil Company, LLC
Lease: Rocking P #1

SEC: 18 TWN: 11S RNG: 14W
 County: RUSSELL
 State: Kansas
 Drilling Contractor: Flex Drilling - Rig 1
 Elevation: 1788 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 398
 API #: 15-167-24095-00-00

Operation:
 Uploading recovery & pressures

DATE
 October
03
 2019

DST #4 Formation: Lan I-K Test Interval: 3136 - 3217' Total Depth: 3499'
 Time On: 05:21 10/03 Time Off: 12:05 10/03
 Time On Bottom: 07:37 10/03 Time Off Bottom: 10:12 10/03

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D