

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 Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	BARC UNIT 2
Doc ID	1482183

All Electric Logs Run

Dual Induction
Micro
Compensated Density/Neutron
Dual Receiver Cement Bond

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	BARC UNIT 2
Doc ID	1482183

Tops

Name	Top	Datum
Anhydrite	1445	+596
B/Anhydrite	1478	+563
Topeka	2959	-918
Heebner	3162	-1121
Toronto	3183	-1142
Lansing	3202	-1161
BKC	3425	-1384
Arbuckle	3448	-1407



Company: Gore Oil Company

Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
01
 2019

DST #1 **Formation:** Toronto/Lans "A" **Test Interval:** 3156 - 3210' **Total Depth:** 3210'
 Time On: 01:17 11/01 Time Off: 10:45 11/01
 Time On Bottom: 03:58 11/01 Time Off Bottom: 07:58 11/01

Electronic Volume Estimate:
 649'

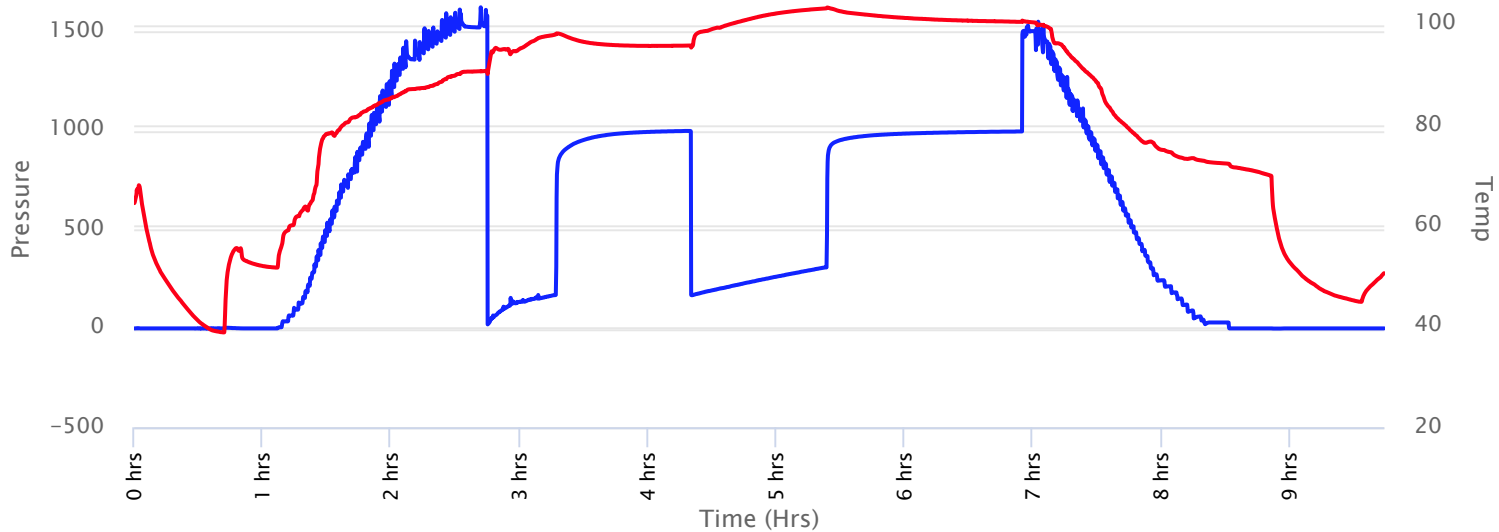
1st Open
 Minutes: 30
 Current Reading:
 28.5" at 30 min
 Max Reading: 28.5"

1st Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: .1"

2nd Open
 Minutes: 60
 Current Reading:
 39.3" at 60 min
 Max Reading: 39.3"

2nd Close
 Minutes: 90
 Current Reading:
 1.1" at 90 min
 Max Reading: 1.2"

Inside Recorder



— Press(Psig) — Temp(F)



Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
01
 2019

DST #1 **Formation:** Toronto/Lans "A"
Test Interval: 3156 - 3210' **Total Depth:** 3210'
 Time On: 01:17 11/01 Time Off: 10:45 11/01
 Time On Bottom: 03:58 11/01 Time Off Bottom: 07:58 11/01

<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
74	1.05302	G	100	0	0	0
30	0.4269	O	0	100	0	0
242	3.44366	SLGCSLOCWCM	9	10	26	55
126	1.79298	SLOCMCW	0	5	75	20

252 1.8600722

SLOCSLMCW

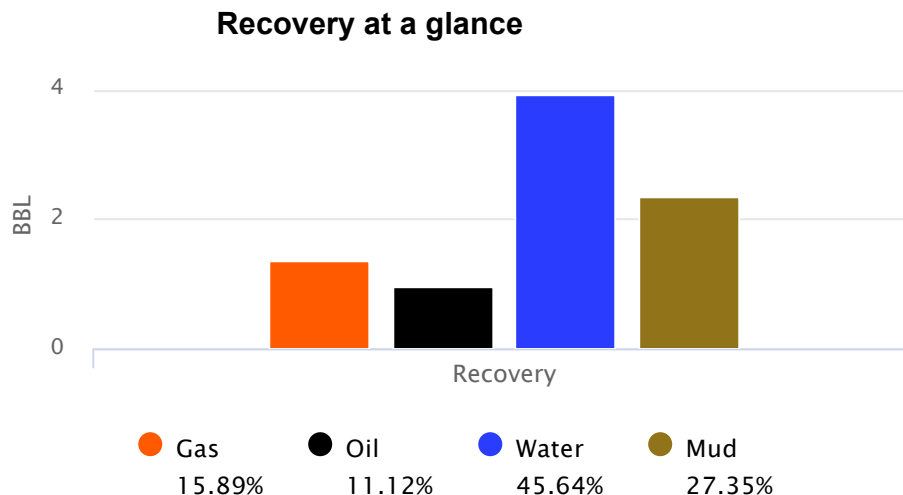
0 5 90 5

Total Recovered: 724 ft

Total Barrels Recovered: 8.5766322

Reversed Out
NO

Initial Hydrostatic Pressure	1523	PSI
Initial Flow	21 to 169	PSI
Initial Closed in Pressure	1000	PSI
Final Flow Pressure	170 to 309	PSI
Final Closed in Pressure	997	PSI
Final Hydrostatic Pressure	1524	PSI
Temperature	104	°F
Pressure Change Initial	0.3	%
Close / Final Close		



GIP cubic foot volume: 7.65228



Company: Gore Oil Company

SEC: 10 TWN: 9S RNG: 19W
County: ROOKS
State: Kansas

**Operation:**

Well Complete

Lease: BARC Unit #2

Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

DATE

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DST #1
Formation:
 Toronto/Lans "A"

Test Interval: 3156 -
3210'
Total Depth: 3210'

Time On: 01:17 11/01

Time Off: 10:45 11/01

Time On Bottom: 03:58 11/01

Time Off Bottom: 07:58 11/01

BUCKET MEASUREMENT:*Diesel in Bucket*

1st Open: 1/2 in. blow building. BOB in 10 mins.

1st Close: Weak blow back.

2nd Open: 1 1/2 in. blow building. BOB in 14 minss

2nd Close: 1 1/4 in. blow back.

REMARKS:

Tool Sample: 0% Gas 10% Oil 75% Water 15% Mud

Gravity: 36.5 @ 60 °F

Ph: 7

Measured RW: .39 @ 54 degrees °F

RW at Formation Temp: 0.214 @ 104 °F

Chlorides: 60,000 ppm

Collars: 185.38 FT*ID-2 1/4***Test Tool:** 33.57 FT*ID-3 1/2-FH**Jars**Safety Joint***Total Anchor:** 54.46**Anchor Makeup****Packer Sub:** 1 FT**Perforations: (top):** 3 FT*4 1/2-FH***Change Over:** 1 FT**Drill Pipe: (in anchor):** 31.46 FT*ID-3 1/2***Change Over:** 1 FT**Perforations: (below):** 17 FT*4 1/2-FH***Surface Choke:** 1"**Bottom Choke:** 5/8"**Operation:****Company: Gore Oil Company****Lease: BARC Unit #2**

SEC: 10 TWN: 9S RNG: 19W

County: ROOKS

State: Kansas

Drilling Contractor: Murfin Drilling
Company, Inc - Rig 20

Elevation: 2036 GL

Field Name: Barry

Well Complete

Pool: Infield
Job Number: 416
API #: 15-163-24403

DATE
November
01
2019

DST #1 **Formation:** **Test Interval: 3156 -** **Total Depth: 3210'**
Toronto/Lans "A" **3210'**
Time On: 01:17 11/01 Time Off: 10:45 11/01
Time On Bottom: 03:58 11/01 Time Off Bottom: 07:58 11/01

Mud Properties

Mud Type: Chemical **Weight:** 9.1 **Viscosity:** 50 **Filtrate:** 7.6 **Chlorides:** 1,900 ppm



Company: Gore Oil Company

Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
01
 2019

DST #2 **Formation: Lans "B-F"** **Test Interval: 3211 - 3284'** **Total Depth: 3284'**

Time On: 18:09 11/01 Time Off: 02:40 11/02
 Time On Bottom: 20:28 11/01 Time Off Bottom: 23:28 11/01



Electronic Volume Estimate:
 2023'

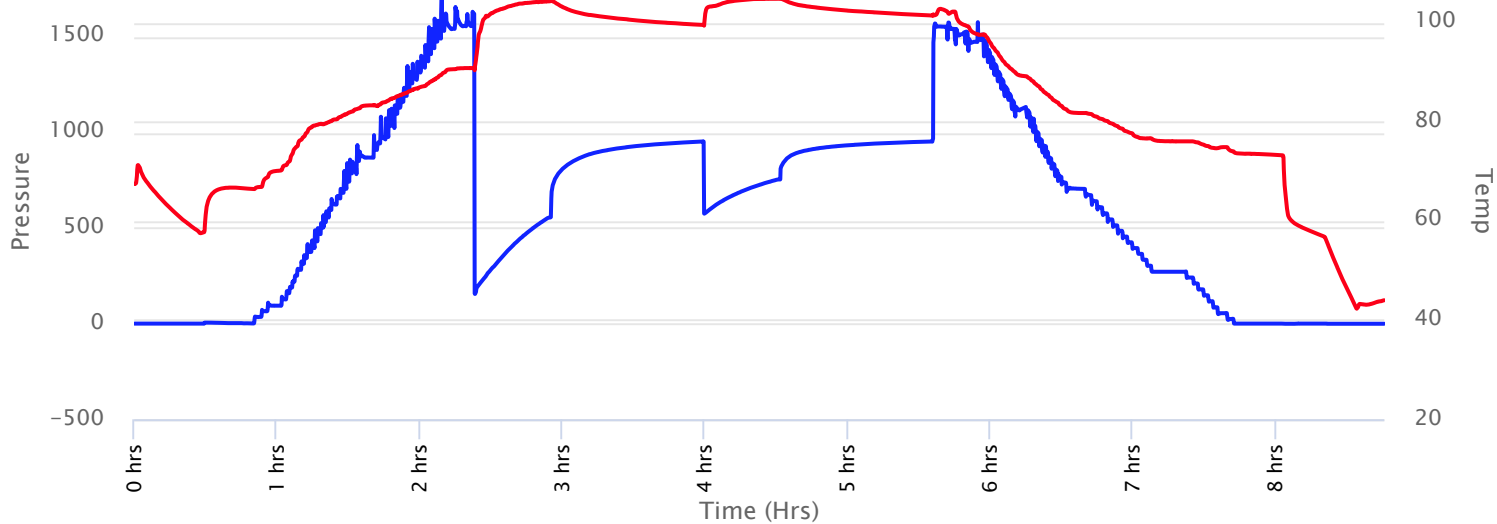
1st Open
 Minutes: 30
 Current Reading:
 194.2" at 30 min
 Max Reading: 194.2"

1st Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: .1"

2nd Open
 Minutes: 30
 Current Reading:
 78.6" at 30 min
 Max Reading: 78.6"

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

Inside Recorder



— Press(Psig) — Temp(F)



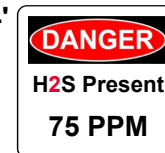
Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
01
 2019

DST #2 **Formation: Lans "B-F"** **Test Interval: 3211 - 3284'** **Total Depth: 3284'**
 Time On: 18:09 11/01 Time Off: 02:40 11/02
 Time On Bottom: 20:28 11/01 Time Off Bottom: 23:28 11/01



Recovered

<u>Foot</u>	<u>BBLs</u>	<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
131	1.86413	G	100	0	0	0
1	0.01423	O	0	100	0	0
680	9.6764	SLOCHWCM	0	3	42	55
567	8.06841	SLOCMCW	0	2	72	26

252 1.8600722

SLMCW

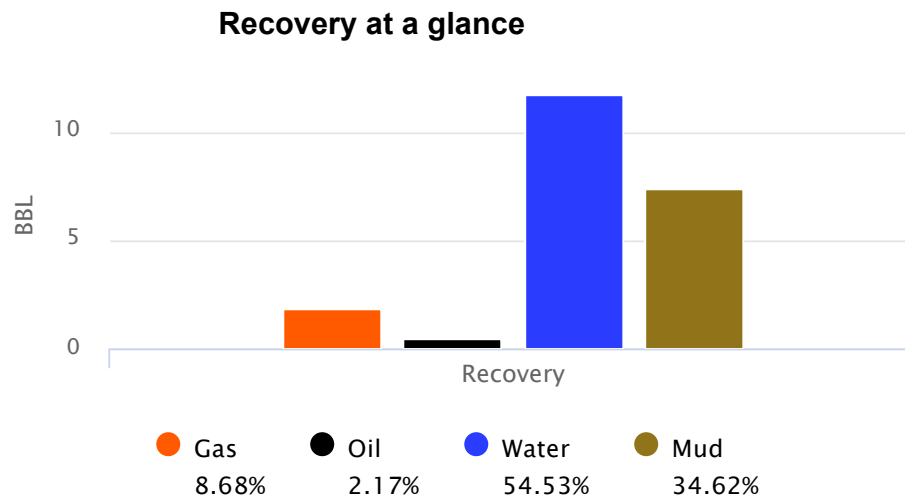
0 0 99 1

Total Recovered: 1631 ft

Total Barrels Recovered: 21.4832422

Reversed Out
NO

Initial Hydrostatic Pressure	1543	PSI
Initial Flow	157 to 558	PSI
Initial Closed in Pressure	953	PSI
Final Flow Pressure	577 to 755	PSI
Final Closed in Pressure	954	PSI
Final Hydrostatic Pressure	1543	PSI
Temperature	105	°F
Pressure Change Initial	0.0	%
Close / Final Close		



GIP cubic foot volume: 10.46616



Company: Gore Oil Company

SEC: 10 TWN: 9S RNG: 19W
County: ROOKS
State: Kansas

**Operation:**

Well Complete

Lease: BARC Unit #2

Drilling Contractor: Murfin
Company, Inc - Rig 20
Elevation: 2036 GL
Field Name: Barry
Pool: Infield
Job Number: 416
API #: 15-163-24403

**DATE**

November

01

2019

DST #2 **Formation: Lans "B-
F"** **Test Interval: 3211 -
3284'** **Total Depth: 3284'**

Time On: 18:09 11/01

Time Off: 02:40 11/02

Time On Bottom: 20:28 11/01

Time Off Bottom: 23:28 11/01

BUCKET MEASUREMENT:*Diesel in Bucket*

1st Open: 1 in. blow building. BOB in 45 secs.

1st Close: Weak blow back.

2nd Open: 3 1/2 in. blow building. BOB in 1 1/2 mins.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 10% Oil 90% Water 0% Mud

Ph: 7

Measured RW: .45 @ 44 degrees °F

RW at Formation Temp: 0.204 @ 105 °F

Chlorides: 40,000 ppm

Max H2S Reading: 75 ppm



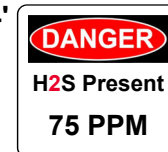
Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
01
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DST #2 **Formation: Lans "B-F"** **Test Interval: 3211 - 3284'** **Total Depth: 3284'**
 Time On: 18:09 11/01 Time Off: 02:40 11/02
 Time On Bottom: 20:28 11/01 Time Off Bottom: 23:28 11/01



Down Hole Makeup

Heads Up: 31.76 FT	Packer 1: 3205.99 FT
Drill Pipe: 3024.8 FT <i>ID-3 1/2</i>	Packer 2: 3210.99 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3195.41 FT
	Bottom Recorder: 3249 FT
	Well Bore Size: 7 7/8

Collars: 185.38 FT*ID-2 1/4***Test Tool:** 33.57 FT*ID-3 1/2-FH**Jars**Safety Joint***Total Anchor:** 73.01**Anchor Makeup****Packer Sub:** 1 FT**Perforations: (top):** 3 FT*4 1/2-FH***Change Over:** 1 FT**Drill Pipe: (in anchor):** 31.51 FT*ID-3 1/2***Change Over:** .5 FT**Perforations: (below):** 36 FT*4 1/2-FH***Surface Choke:** 1"**Bottom Choke:** 5/8"**Operation:**

Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry

Well Complete

Pool: Infield
Job Number: 416
API #: 15-163-24403



DATE
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2019

DST #2 **Formation: Lans "B-F"** **Test Interval: 3211 - 3284'** **Total Depth: 3284'**
Time On: 18:09 11/01 Time Off: 02:40 11/02
Time On Bottom: 20:28 11/01 Time Off Bottom: 23:28 11/01

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 58 **Filtrate:** 7.6 **Chlorides:** 2,400 ppm



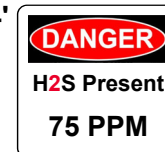
Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
01
 2019

DST #2 **Formation: Lans "B-F"** **Test Interval: 3211 - 3284'** **Total Depth: 3284'**
 Time On: 18:09 11/01 Time Off: 02:40 11/02
 Time On Bottom: 20:28 11/01 Time Off Bottom: 23:28 11/01



Gas Volume Report

1st Open				2nd Open			
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D



Company: Gore Oil Company

Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
02
 2019

DST #3 **Formation: Lans "G-K"** **Test Interval: 3284 - 3400'** **Total Depth: 3400'**
 Time On: 13:02 11/02 Time Off: 21:13 11/02
 Time On Bottom: 15:03 11/02 Time Off Bottom: 18:03 11/02



Electronic Volume Estimate:
 1463'

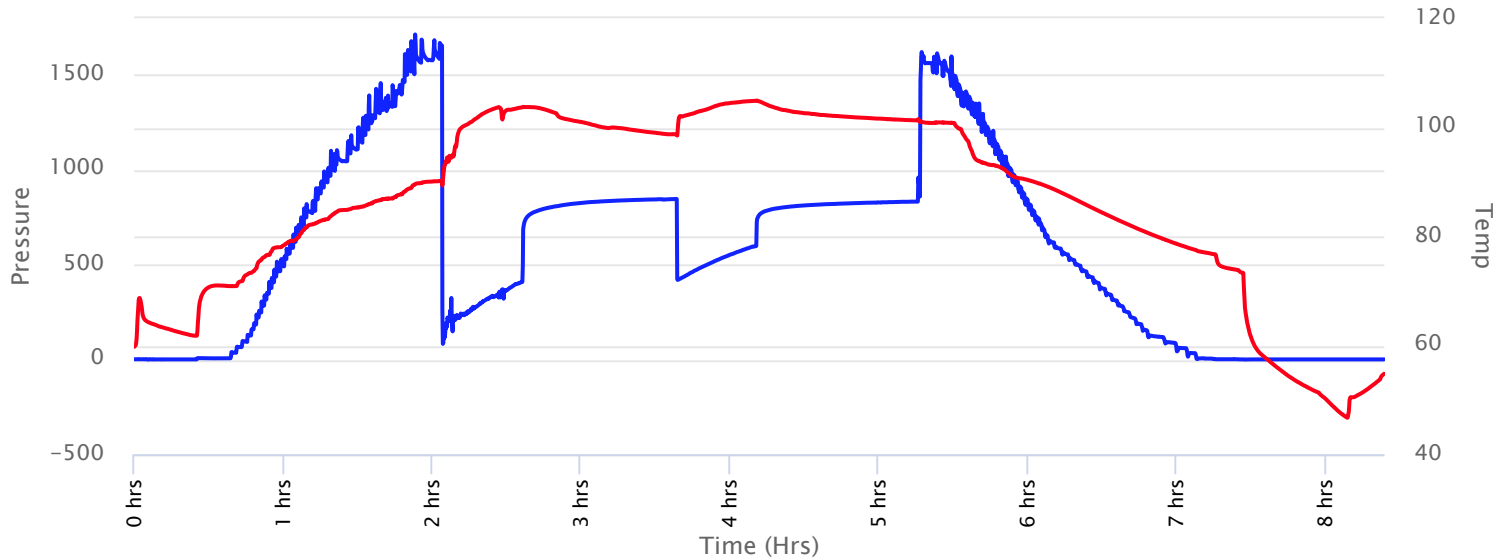
1st Open
 Minutes: 30
 Current Reading:
 104.8" at 30 min
 Max Reading: 104.8"

1st Close
 Minutes: 60
 Current Reading:
 .1" at 60 min
 Max Reading: .1"

2nd Open
 Minutes: 30
 Current Reading:
 77.4" at 30 min
 Max Reading: 77.4"

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

Inside Recorder



— Press(Psig) — Temp(F)



Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
02
 2019

DST #3 **Formation: Lans "G-K"** **Test Interval: 3284 - 3400'** **Total Depth: 3400'**
 Time On: 13:02 11/02 Time Off: 21:13 11/02
 Time On Bottom: 15:03 11/02 Time Off Bottom: 18:03 11/02



Recovered

<u>Foot</u>	<u>BBS</u>	<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
10	0.1423	G	100	0	0	0
683	9.71909	SLOCSLGCHWCM	5	2	33	60
567	6.3425222	SLOCSLMCW	0	3	94	3

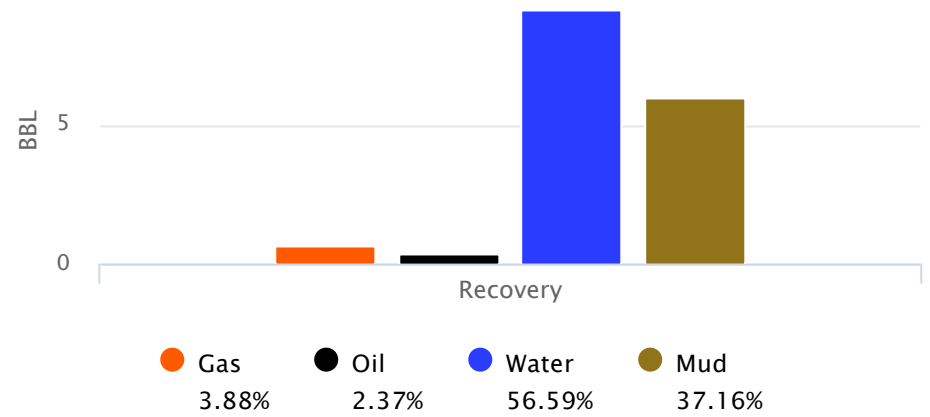
Total Recovered: 1260 ft

Recovery at a glance

Total Barrels Recovered: 16.2039122

Reversed Out
NO

Initial Hydrostatic Pressure	1585	PSI
Initial Flow	82 to 408	PSI
Initial Closed in Pressure	846	PSI
Final Flow Pressure	420 to 598	PSI
Final Closed in Pressure	832	PSI
Final Hydrostatic Pressure	1583	PSI
Temperature	105	°F
Pressure Change Initial Close / Final Close	1.6	%



GIP cubic foot volume: 3.52733



Company: Gore Oil Company

SEC: 10 TWN: 9S RNG: 19W
County: ROOKS
State: Kansas

**Operation:**

Well Complete

Lease: BARC Unit #2

Drilling Contractor: Murfin
Company, Inc - Rig 20
Elevation: 2036 GL
Field Name: Barry
Pool: Infield
Job Number: 416
API #: 15-163-24403

H2S Present

12 PPM

DATE

November

02

2019

DST #3**Formation: Lans "G-
K"****Test Interval: 3284 -
3400'****Total Depth: 3400'**

Time On: 13:02 11/02

Time Off: 21:13 11/02

Time On Bottom: 15:03 11/02

Time Off Bottom: 18:03 11/02

BUCKET MEASUREMENT:*Diesel in Bucket*

1st Open: 1 in. blow building. BOB in 1 3/4 mins.

1st Close: Weak blow back.

2nd Open: 1 in. blow building. BOB in 3 1/2 mins.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 10% Oil 85% Water 5% Mud

Ph: 7

Measured RW: .4 @ 52 degrees °F

RW at Formation Temp: 0.21 @ 105 °F

Chlorides: 54,000 ppm

Max H2S Reading: 12 ppm



Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
02
 2019

DST #3 **Formation: Lans "G-
 K"** **Test Interval: 3284 -
 3400'** **Total Depth: 3400'**

Time On: 13:02 11/02 Time Off: 21:13 11/02
 Time On Bottom: 15:03 11/02 Time Off Bottom: 18:03 11/02



Down Hole Makeup

Heads Up: 21.78 FT	Packer 1: 3278.97 FT
Drill Pipe: 3087.8 FT <i>ID-3 1/2</i>	Packer 2: 3283.97 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3268.39 FT
	Bottom Recorder: 3385 FT
	Well Bore Size: 7 7/8

Collars: 185.38 FT*ID-2 1/4***Test Tool:** 33.57 FT*ID-3 1/2-FH**Jars**Safety Joint***Total Anchor:** 116.03**Anchor Makeup****Packer Sub:** 1 FT**Perforations: (top):** 3 FT*4 1/2-FH***Change Over:** 1 FT**Drill Pipe: (in anchor):** 94.53 FT*ID-3 1/2***Change Over:** .5 FT**Perforations: (below):** 16 FT*4 1/2-FH***Surface Choke:** 1"**Bottom Choke:** 5/8"**Operation:****Company: Gore Oil Company****Lease: BARC Unit #2**

SEC: 10 TWN: 9S RNG: 19W

County: ROOKS

State: Kansas

Drilling Contractor: Murfin Drilling
Company, Inc - Rig 20

Elevation: 2036 GL

Field Name: Barry

Well Complete

Pool: Infield
Job Number: 416
API #: 15-163-24403



DATE
November
02
2019

DST #3 Formation: Lans "G-K" Test Interval: 3284 - 3400' Total Depth: 3400'

Time On: 13:02 11/02 Time Off: 21:13 11/02
Time On Bottom: 15:03 11/02 Time Off Bottom: 18:03 11/02

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 47 **Filtrate:** 8.0 **Chlorides:** 2,100 ppm



Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
02
 2019

DST #3 **Formation: Lans "G-K"** **Test Interval: 3284 - 3400'** **Total Depth: 3400'**
 Time On: 13:02 11/02 Time Off: 21:13 11/02
 Time On Bottom: 15:03 11/02 Time Off Bottom: 18:03 11/02



Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: Gore Oil Company

Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
Well Complete

DATE
November
03
2019

DST #4 **Formation: Arbuckle** **Test Interval: 3410 - 3450'** **Total Depth: 3450'**

Time On: 03:24 11/03 Time Off: 11:54 11/03
 Time On Bottom: 05:27 11/03 Time Off Bottom: 08:27 11/03

Electronic Volume Estimate:
2682'

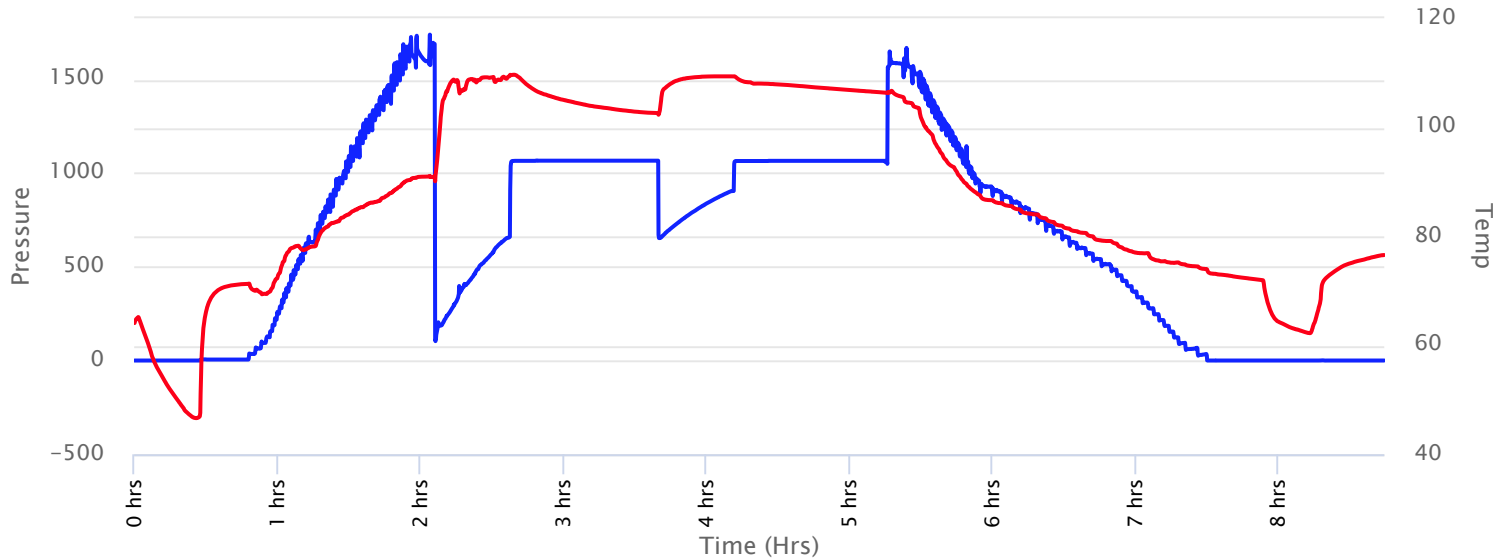
1st Open
Minutes: 30
Current Reading:
253.7" at 30 min
Max Reading: 253.7"

1st Close
Minutes: 60
Current Reading:
9.8" at 60 min
Max Reading: 9.8"

2nd Open
Minutes: 30
Current Reading:
117.7" at 30 min
Max Reading: 117.7"

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

Inside Recorder



— Press(Psig) — Temp(F)



Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
03
 2019

DST #4 Formation: Arbuckle Test Interval: 3410 - 3450' Total Depth: 3450'
 Time On: 03:24 11/03 Time Off: 11:54 11/03
 Time On Bottom: 05:27 11/03 Time Off Bottom: 08:27 11/03

<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLS</u>					
63	0.89649	G	100	0	0	0
536	7.62728	O	0	100	0	0
1134	16.13682	MCHWCO	0	50	30	20
504	5.4460322	SLMCSLOCW	0	5	93	2

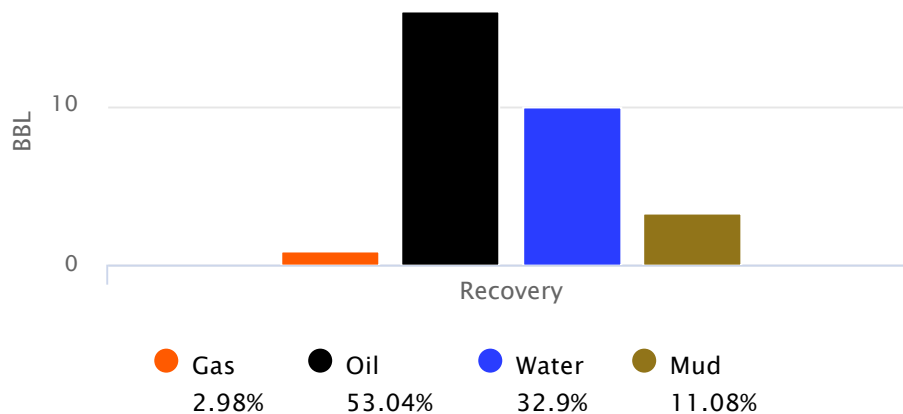
Total Recovered: 2237 ft

Total Barrels Recovered: 30.1066222

Reversed Out
NO

Initial Hydrostatic Pressure	1597	PSI
Initial Flow	104 to 660	PSI
Initial Closed in Pressure	1067	PSI
Final Flow Pressure	653 to 905	PSI
Final Closed in Pressure	1066	PSI
Final Hydrostatic Pressure	1595	PSI
Temperature	110	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 5.03334



Company: Gore Oil Company

SEC: 10 TWN: 9S RNG: 19W
County: ROOKS
State: Kansas

**Operation:**

Well Complete

Lease: BARC Unit #2

Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

DATE

November

03

2019

DST #4 Formation: Arbuckle Test Interval: 3410 - Total Depth: 3450'
3450'

Time On: 03:24 11/03

Time Off: 11:54 11/03

Time On Bottom: 05:27 11/03

Time Off Bottom: 08:27 11/03

BUCKET MEASUREMENT:

1st Open: 1 in. blow building. BOB in 1 1/4 mins.

1st Close: 9 3/4 in. blow back.

2nd Open: 2 in. blow building. BOB in 1 1/2 mins.

2nd Close: 2 in. blow back.

REMARKS:

Tool Sample: 0% Gas 10% Oil 85% Water 5% Mud

Gravity: 28.3 @ 60 °F

Ph: 7

Measured RW: .4 @ 65 degrees °F

RW at Formation Temp: 0.246 @ 110 °F

Chlorides: 40,000 ppm

Collars: 185.38 FT*ID-2 1/4***Test Tool:** 33.57 FT*ID-3 1/2-FH**Jars**Safety Joint***Total Anchor:** 40**Anchor Makeup****Packer Sub:** 1 FT**Perforations: (top):** 3 FT*4 1/2-FH***Change Over:** FT**Drill Pipe: (in anchor):** FT*ID-3 1/2***Change Over:** FT**Perforations: (below):** 36 FT*4 1/2-FH***Surface Choke:** 1"**Bottom Choke:** 5/8"**Operation:****Company: Gore Oil Company****Lease: BARC Unit #2**

SEC: 10 TWN: 9S RNG: 19W

County: ROOKS

State: Kansas

Drilling Contractor: Murfin Drilling
Company, Inc - Rig 20

Elevation: 2036 GL

Field Name: Barry

Well Complete

Pool: Infield
Job Number: 416
API #: 15-163-24403

DATE
November
03
2019

DST #4 Formation: Arbuckle Test Interval: 3410 - 3450' Total Depth: 3450'

Time On: 03:24 11/03 Time Off: 11:54 11/03
Time On Bottom: 05:27 11/03 Time Off Bottom: 08:27 11/03

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 53 **Filtrate:** 8.0 **Chlorides:** 2,500 ppm



Company: Gore Oil Company
Lease: BARC Unit #2

SEC: 10 TWN: 9S RNG: 19W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Murfin Drilling
 Company, Inc - Rig 20
 Elevation: 2036 GL
 Field Name: Barry
 Pool: Infield
 Job Number: 416
 API #: 15-163-24403

Operation:
 Well Complete

DATE
 November
03
 2019

DST #4 **Formation: Arbuckle** **Test Interval: 3410 - 3450'** **Total Depth: 3450'**
 Time On: 03:24 11/03 Time Off: 11:54 11/03
 Time On Bottom: 05:27 11/03 Time Off Bottom: 08:27 11/03

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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TICKET 032633

PAGE 1 OF

CHARGE TO: Bore Oil Co
 ADDRESS
 CITY, STATE, ZIP CODE

WELL/PROJECT NO. # 2 LEASE Bare Unit COUNTY/PARISH LS CITY
 TICKET TYPE SERVICE SALES CONTRACTOR Murkin RIG NAME/NO. Rig # 8 SHIPPED VIA air DELIVERED TO
 WELL TYPE oil WELL CATEGORY development JOB PURPOSE Top to Bottom Long String WELL PERMIT NO.
 INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOU.
		LOC	ACCT							
575		1			35	Mi			5.00	175.00
579		1			1	EA			1900.00	1900.00
290		1			5	GA			42.00	210.00
221		1			2	GA			25.00	50.00
280		1			330	GA			3.50	1155.00
403		1			6	EA	5 1/2		275.00	1650.00
406		1			1	EA			250.00	250.00
407		1			1	EA			325.00	325.00
409		1			11	EA			90.00	990.00
419		1			1	EA			250.00	250.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE? YES NO

AGREE UNDECIDED DISAGREE

PAGE TOTAL 6955.00
P.2 10771.25
TOTAL 17726.25

TOTAL 934.50
18600.15

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR DAVID EDGEMAN APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 11-4-19

PAGE NO.

CUSTOMER Gore Oil Co

WELL NO. # 2

LEASE Bare Unit

JOB TYPE TTB Long String

TICKET NO. 32633

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							On location
								5 1/2 csg Rtd - 3555 TOTAL Pipe - 3552 BAFFLE @ 3538 CENTRALIZERS - 1, 3, 5, 7, 9, 11, 13 31, 50, 60, 69 BASKETS - 5, 13, 31, 50, 60, 69
	1315							Start Running csg
	1445							Break Circ on Bottom
	1700	2	8			0		plug next Hole - 30 sks
		2	4			0		plug Mouse Hole - 20 sks
	1710	6	15					pump w/ spacer
		6	8					pump Fldcheck 21 - 330 Gal
		6	5					pump w/ spacer
	1715	6	0			300		Start Cmt - 200 sks @ 11.2 ppg
		6	111			350		Raise wgt to 11.4 ppg for 100 sks
		4.5	163			300		Raise wgt to 14 ppg for 130 sks
		4 4	199			250		END CMT
								Drop plug - wash P&L
	1750	6	0			250		Start Disp
	1810	3.5	84			650/1600		LAND Plug - Lift Psi - 650# LAND Psi 1600#
								RELEASE Psi - Dry RELEASE Psi - Dry * Jetted cellar & had a Show of Cmt JOB COMPLETE THANKS DAVID, ZACH & ISAAC



TICKET 032731

PAGE 1 OF 1

CHARGE TO: Gore Oil Co
 ADDRESS:
 CITY, STATE, ZIP CODE:

SERVICE LOCATIONS
 1. Hays KS
 2. Ness City KS
 3.
 4.

WELL/PROJECT NO. #2
 TICKET TYPE SERVICE SALES
 CONTRACTOR Red Line
 WELL TYPE Oil
 LEASE BARC
 COUNTY/PARISH Roooks
 STATE KS
 RIG NAME/NO.
 JOB PURPOSE development 1" down Backside
 WELL CATEGORY
 DELIVERED TO LOCATION
 WELL PERMIT NO.
 WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1					35	Mi	5.00	175.00
577		1					1	EA	925.00	925.00
290		1					1	EA	42.00	42.00
330		2					50	SKY	17.00	850.00
581		2					150	SKY	1.85	277.50
582		2					1	EA	250.00	250.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED _____ TIME SIGNED _____

SWIFT OPERATOR David Edgerton APPROVAL _____

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

PAGE TOTAL 2519 50
 TOTAL 2581 94

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR David Edgerton APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE

PAGE NO.

1-7-20

CUSTOMER
Gore Oil Co

WELL NO.
#2

LEASE
BARC

JOB TYPE
1" Down B.S

TICKET NO.
32731

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							On location
								1" - 500'
	1305	1	1.5			200		pump to make sure 1" is open on Bottom
			0					START CMT - 20 sks @ 11.2 ppb
			10					Raise wgt to 11.8 for 15 sks
			17					Circ CMT - END CMT
								35 sks CMT TOTAL
								JOB Complete
								THANKS
								David, Zach & Kirby

