

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

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc. </div>							
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 (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p>(If vented, Submit ACO-18.)</p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p>(Submit ACO-5) (Submit ACO-4)</p>	PRODUCTION INTERVAL:	
		Top	Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	KREUTZER 1
Doc ID	1676884

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	250	Class A	180	3% cc, 2% gel
Production	7.875	5.5	15.5	5198	60/40 poz mix	645	3% cc, 2% gel

KIM B. SHOENMAKER

CONSULTING GEOLOGIST

310-884-8708 • WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY RAYMOND OIL COMPANY, INC.

LOG # 1 KREUTZER

FIELD WILDCAT

LOCATION 1245' FWL & 416' FWL

SEC. 26 TWP. 19S RGE. 36W

COUNTY WICHITA STATE KANSAS

CONTRACTOR L. D. DRILLING, INC.

SPUD 10-24-22 OPH 11-6-22

TD 5200 LD 5200

AND LOG 3457 TAG LOG CHEMICAL

SHOOTS SHED FROM 2760-2960 3500 TO 5200

DRILLING TIME WAST FROM 3500 TO 5200

SAMPLES EXAMINED FROM 3500 TO 5200

GEOLOGICAL SUPERVISION FROM 3900 TO 5200

GEOLOGIST ON WELL KIM B. SHOENMAKER

FORMATION TOPS LOGS SAMPLES

ANHYDRITE	2359 + 874	2360 + 873
B/ANH	2375 + 858	2375 + 858
STORTER	3572 - 339	3573 - 340
HEEGNER	3981 - 748	3981 - 748
LANISING	4032 - 799	4031 - 798
B/KC	4490 - 1257	4488 - 1255
MARMATON	4524 - 1291	4523 - 1290
FORT SCOTT	4670 - 1437	4671 - 1438
CHE ROKEE	4701 - 1468	4703 - 1470
MORROW SH.	4880 - 1647	4884 - 1651
M151551 PPI	5077 - 1844	5078 - 1845

DEVIATIONS

KB 3233

OL 3228

MEASUREMENTS ARE IN

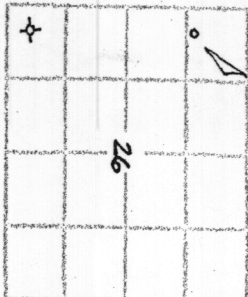
FEET 3233 KB

CASING 8 5/8" @ 250'

PRODUCTION 5 1/2" @

ELECTRIC SURVEYS

DUAL IND., DENS-N, MICRA



REMARKS

10-24-22 SPUD 11-6 @ 5200
 10-25 @ 250'
 10-26 @ 1380'
 10-27 @ 2550'
 10-28 @ 3250'
 10-29 @ 3815'
 10-30 @ 4082'
 10-31 @ 4155'
 11-1 @ 4308'
 11-2 @ 4565'
 11-3 @ 4686'
 11-4 @ 5015'
 11-5 @ 5200'

API: 15-203-26373

LEGEND

Anhydrite	Sand	Sandstone	Shale	Clay sh	Limestone	Oilstone	Salt	Dolomite

DRILLING TIME IN MINUTES
PER FOOT

1000'

1000' of 1000' of 1000'

DEPTH

0' 10' 15' 20' 25'

SAMPLE DESCRIPTIONS

REMARKS

2300

Sh. Rd.

ANHYDRITE

2360 + 873

Gyp. wt. 47.6

BIANH.

2375 + 858

Sh. Rd. Silty. Silty.

2400

2750

2800

- WINFIELD

Sh. Rd. Oryge.

Dol. in Vlnsh. Sh. Foss.

Dol. in Vlnsh. Sh.

Dol. in Vlnsh. Sh.

Dol. in Vlnsh. Sh.

2900

2950

3500

Samples are lagged

Sh. LG Gy.

Lth. Sdy sh.

STOTLER 3573-340

LS. LG Sh. Foss. w/ DE G. Foss.

LS. Th. G. Foss.

Sh. LG

LS. Wl. Sh. Foss. Sh. A

Sh. Gy.

LS. Th. Wt. Foss. Calatite.

LS. Gy. Sh. Foss.

Sh. Gy. LG

LS. Th. Wt. Sh. Foss. Sh. Ch. G.

Sh. LG

LS. Gy. Sh. Foss.

3800

3900

NIS: 48 WT: 8.6
 YIL: 7.2 CUL: 3900

LS. Tn. Sh. Foss. Foss. Sh. Chalk

Δ. wt.

LS. wt. Sh. Foss. Sh. Δ

LS. Cy. VSh. Foss.

Sh. Cy. Lly.

LS. wt. Sh. Foss. Sh. Chalk

LS. wt. Lly. Sh. Foss. Sh. Chalk

LS. wt. VChalk

Sh. BLC

Sh. Soly ch. Lly. Cy. Fr. Lw Sub Ed

Sh. BLC

LS. wt. Lly. Foss. dol.

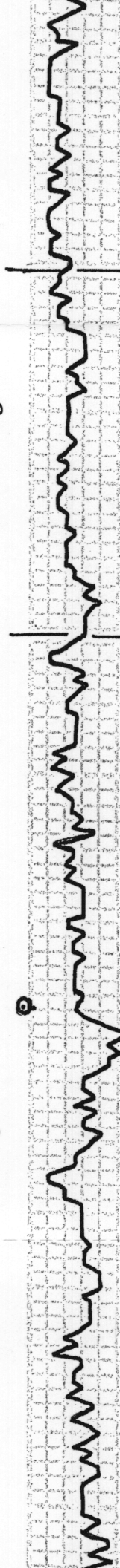
Sh. BLC

LS. Tn. B. G. Foss.

Sh. BLC

LS. Tn. wt. VSh. Foss. Sh. Chalk

LS. wt.



4000

TORONTO

Sh. Ltg. Gt.

LS. In Bl. Fresh. Shi. Foss. ch. lly.

Sh. Ltg.

Δ Gt. Foss.

LS. Bl. Fresh. Shi. Foss. (wt. Foss) Shi. Chlly.

HEEBNER 3981-748

Sh. Blc. Carb.

LS. Blc. Shi. Foss.

Sh. Ltg. Blc.

LS. wt. Shi. Foss. Shi. Δ

Δ wt. Ltg.

LS. wt. Shi. Foss. Shi. Δ

Sh. Ltg. Rd.

LANSING 4031-798

LS. wt. Th. ool. Shi. Δ

LS. Th. ool. Shi. Δ

Sh. Blc. DK.

LS. Bl. VSi. Foss.

Sh. Ltg. Gt.

LS. In lly. ool. P. Vib. P. No Floor. Nodder

LS. wt. Ltg. Shi. Δ

LS. wt. Ltg. ool. Shi. Δ

LS. wt. chlly.

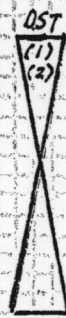
Sh. Blc.

LS. Bl. Gt. Shi. Foss.

LS. Ltg. Shi. ool. Shi. Chlly.

LS. Ltg. VSh. Foss.

Sh. Ltg. Blc. Gt.



VSi. 51

WT. 89

WL. 7.6

CHL. 4500

DST (1) 4054-4082 Could not reach bottom

DST (2) 4054-4082

1st open: Blow built to 3/4"

2nd open: No Blow

Total Sample

30-60-95-75

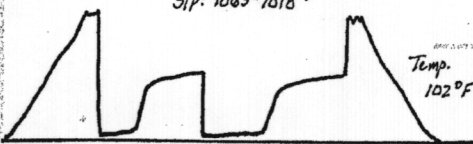
1% Oil

Rec. 15' VSi. 50CM (1% oil 99% M)

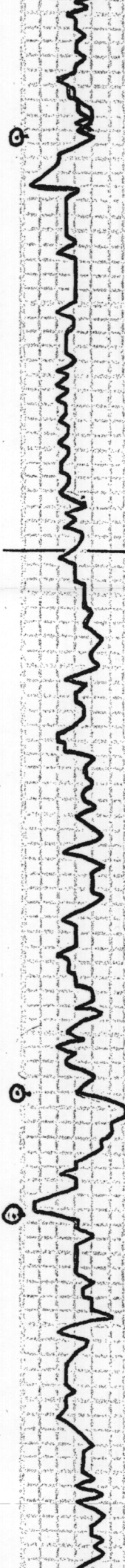
99% Mud

FP: 11-14 15-19 *

SIP: 1063-1018 *



4100



4200

Vis: 56 WT: 8.1
WL: 8.0 CHL: 5000

LS. Lt Gy. VSI. Colitic

Sh. Lt Gy.

LS. Th. Lt Gy. ooc. Sh. ooc.

Δ Gy.

LS. wt. chily.

LS. Lt Gy. VSI. Foss. Sh. Δ

LS. Lt Gy. VSI. Colitic

MUNCIE CREEK 4239-1001

Sh. Blc. Carb. LS. Blc. Dtl.

Sh. Lt. Blc.

LS. Lt Gy. VSI. Foss. Sh. Δ

LS. wt. ool. Sh. Δ

Δ. Wt.

LS. Th. Sh. Δ. Colitic

Sh. Blc.

LS. Blc. VSI. Foss.

Sh. Lt. Blc. Gy.

LS. Thin. Sh. Foss. Sh. Chily. Pr. V. S. Blc. Seal. Sh. Tr. Fd. Dtl. Spt. Floor No. Dd. or

Sh. Gy. Blc.

LS. Th. Gy. Sh. Foss. F. Pr. V. S. Blc. Seal. Sh. Tr. Fd. No. Floor No. Dd. or

LS. Blc. Sh. Foss. ool. Sh. Δ

LS. Lt Gy. ooc. Sh. ooc. No. Vis. Show

Vis: 60 WT: 9.2
WL: 9.6 CHL: 5800

LS. Lt Gy. Sh. Δ

Δ. Wt.

LS. Blc. Vch. Sily. chily.

LS. wt. Lt Gy. Sh. ool. ool. chily.

LS. wt. Vchily.

Δ Gy.

LS. Lt Gy. VSI. chily.

DST (3) 4270-4308

1st OPEN: Blow built to 2 3/4"

2nd OPEN: " " " 2 1/4"

Tool Sample 30-60-45-75

8% Wt. Rec. 70' Mud

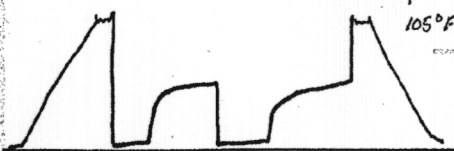
92% Mud

FP: 12:27 29-46 *

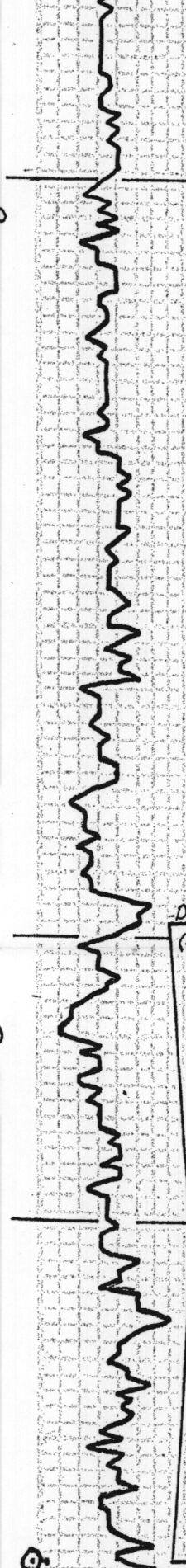
SIP: 10:42-987 *

Temp.

105°F



4300



LS. Lt. G. Sh A

HUSHPUCKNEY 4395-1162
Sh. Bk. Carb.

LS. Lt. Vsh. Foss. Sh. Calcitic

LS. Lt. Vsh. Foss. Sh. A. Sh. Calcitic

LS. Lt. G. Dss. Sh. Calcitic

LS. Lt. G. Sh. Calcitic

LS. Lt. Vsh. Foss. Chlly.

Sh. Blue G.

LS. Tr. ool. Sh. A

LS. Tr. wt. Vsh. Foss. Sh. Chlly.

B/KC 4488-1255

Sh. Lt. Blue

Sd. Scl. sh. Lt. Blue-G. Fr. G. Sub. Rd.

Scl. sh. Lt. Blue-G. V. Foss. Silky

Sh. Rd. Lt. Blue

MARMATON 4523-1290

LS. Lt. G. Vsh. Foss. Sh. A

LS. Tr. wt. Sh. Foss. P. V. Foss. P.
Dk. Bl. Sp. Sh. Tr. Fd. Dull Flour.

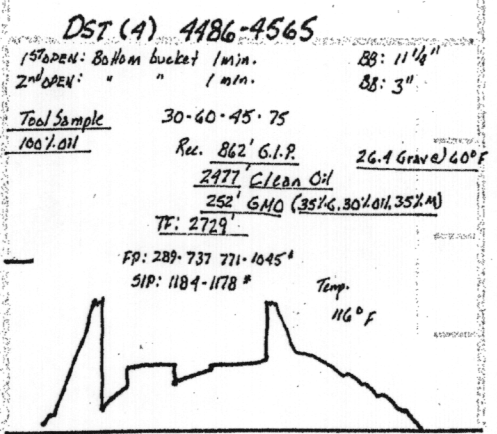
LS. Tr. Sh. Foss. Foss. Sh. A. Vsh. Chlly. F. V. Foss. P.
Lt. Bl. Sp. to. Sh. Tr. Fd. Dull Flour.
No odor.

LS. G. Sh. Foss. P. V. Foss. P.
Dk. Bl. Sp. Sh. V. Foss. P. No Flour. No odor

Sh. Chlly.

LS. Tr. wt. Vsh. Foss. Sh. A

Sh. Lt. G. G.



4600

LS. Bl. SilA

LS. wt. ool. SilA

SA Blc

PAWNEE 4616-1383

Sh. Ltg

LS. Th. Foss. Sil. Ch. ly.

Δ Ltg. g.

LS. Th. g. Calotte

Sh. Blc. Carb.

MYRICK STATION 4648-1415

Δ G.

LS. Th. Foss. Sil. Foss. Calotte. Sil. Ch. ly.

LS. G. Sil. Foss. Sil. Ch. ly.

Sh. Blc. Carb.

FORT SCOTT 4671-1438

Δ Dec.

LS. wt. ool. Sil. A

Δ wt. ool.

LS. Ltg. ool. Sil. Ch. ly.

LS. Ltg. Th. Sh. A. Calotte

CHEROKEE 4703-1470

Sh. Blc

LS. Blc. ool. Calotte

Sh. Dec.

LS. wt. Sil. Foss. Sh. Ch. ly.

Sh. Lt. Blue

LS. Th. Sil. Foss. Sil. Δ

Sh. Ltg.

LS. Ltg. Sil. Δ

LS. Th. wt. Ltg. Sdg. Sil. Ch. ly.

Sh. Carb.

LS. Th. Sil. Foss. Sil. Ch. ly.

LS. wt. ool. Sil. Ch. ly.

Sh. Bl. Purple

VIS: 61

WT: 9.4

WL: 11.2

CHL: 2660

4700

4800

ATOKA 4804-1571

LS. Bl. Gr. Foss. Sh. A

Sh. Lt. Rd.

LS. Th. G. V. S. Foss.

Sh. Lt. Ble. G.

LS. Th. Sh. Foss. V. S. Sh. Ch. Lh.

Sh. Lt. Ble. G.

LS. Lt. G. V. S. Ch. Lh.

LS. Lt. G. V. S. Ch. Lh.

Sh. D. B. G.

LS. Bl. G. S. dy.

MORROW 4884-1651

Sh. Lt. G. L.

Sh. D. B. G.

Sh. Lt. G. L.

Sd. Ch. wt. Md. Co. Rd. Sub. Rd.

Sh. Lt. Ble. S. dy.

Sd. Ch. wt. Md. Co. Rd. Sub. Rd.

Sh. Tung. S. dy. Th. Glau.

LS.

Sd. Ch. wt. Md. Co. Rd. Sub. Rd.

LS. wt. Th. S. P. Foss. Sh. A.

Sh. Tung. S. dy.

LS. wt. Th. Sh. A.

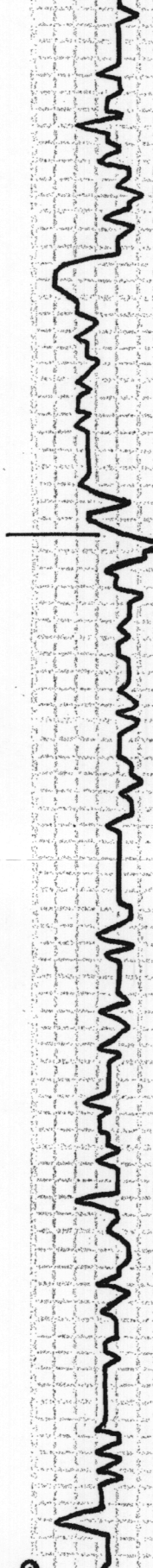
LS. wt. S. dy. V. P. G. L.

LS. wt. S. dy. Sh. Ch. Lh.

V. L. O. C.

4900

5000



VIS: 58 WT: 96
WL: 94 CAL: 7800

LS. wt. Sdy. Mb. G.
 Δ Ornye Δ G.
LS. wt. Sdy.
LS. wt. V Sdy. Mb. Co. Rd.
LS. wt. V Sdy. Mb. Co. Rd. Sub. Rd.

MISSISSIPPI 5078-1845

LS. Th. wt. ool. Sdy.
LS. Th. wt. ool. Ch. lly.
LS. Th. wt. V. Shi. Foss. Shi. A
LS. L. G. ool. Shi. Ch. lly.
LS. Th. V. Shi. Foss. Shi. A Shi. G. latic.
LS. Th. ool. Sdy.
LS. Th. Shi. A
LS. wt. ool. G. latic.

5100

5200

RTD 5200-1967

Printed from NeuraView 11/07/22



Company: Raymond Oil Company, Inc Lease: Kreutzer #1

Operation:

Uploading recovery &
pressures

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

DATE

October

30

2022

DST #1

Formation: LKC

Test Interval: 4054 -
4082'

Total Depth: 4082'

Time On: 01:30 10/30

Time Off: 06:05 10/30

Time On Bottom: 00:00 01/01

Time Off Bottom: 04:15 10/30

Electronic Volume
Estimate:
0'

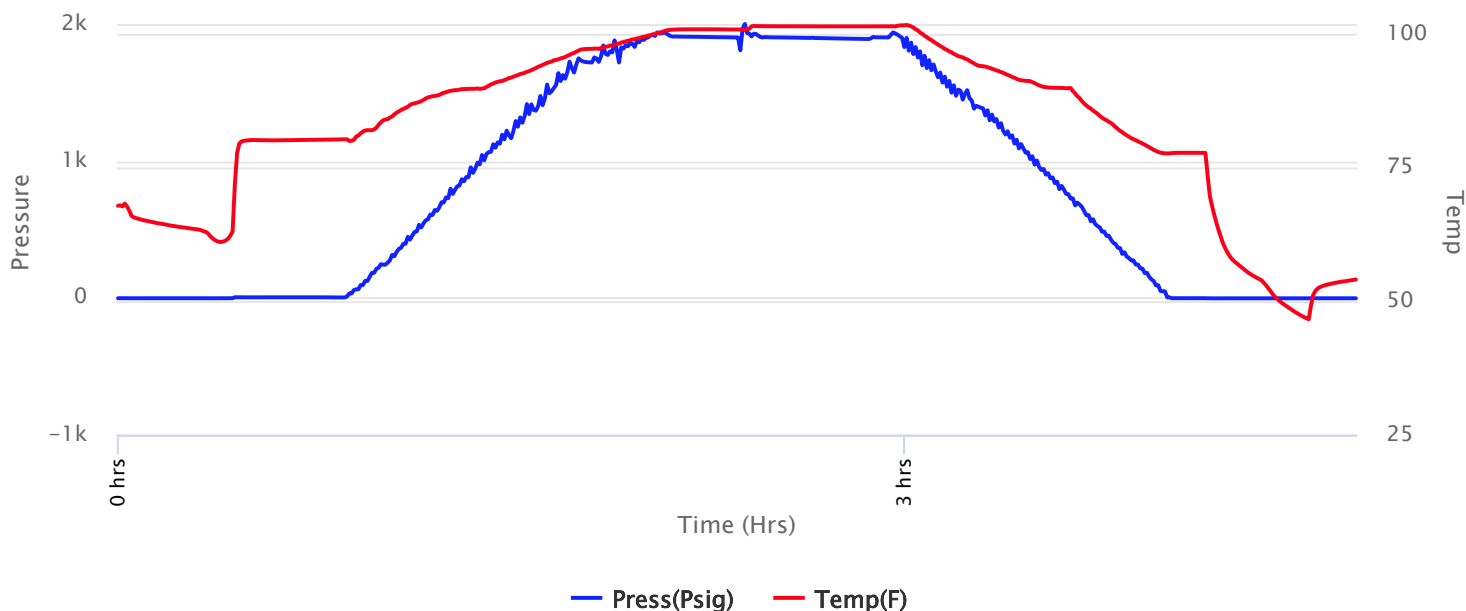
1st Open
N/A

1st Close
N/A

2nd Open
N/A

2nd Close
N/A

Inside Recorder





**Company: Raymond Oil
Company, Inc
Lease: Kreutzer #1**

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October
30
2022

DST #1

Formation: LKC

**Test Interval: 4054 -
4082'**

Total Depth: 4082'

Time On: 01:30 10/30

Time Off: 06:05 10/30

Time On Bottom: 00:00 01/01

Time Off Bottom: 04:15 10/30

Recovered

Foot

BBLs

Description of Fluid

Gas %

Oil %

Water %

Mud %

Total Recovered: 0 ft

Total Barrels Recovered: 0

Reversed Out
NO

Initial Hydrostatic Pressure	1915	PSI
Initial Flow	0	PSI
Initial Closed in Pressure	0	PSI
Final Flow Pressure	0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	1897	PSI
Temperature	102	°F
Pressure Change Initial Close / Final Close	0.0	%

**Operation:**

Uploading recovery &
pressures

**Company: Raymond Oil
Company, Inc
Lease: Kreutzer #1**

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

DATE

October

30

2022

DST #1

Formation: LKC

**Test Interval: 4054 -
4082'**

Total Depth: 4082'

Time On: 01:30 10/30

Time Off: 06:05 10/30

Time On Bottom: 00:00 01/01 Time Off Bottom: 04:15 10/30

BUCKET MEASUREMENT:**REMARKS:**

Hit 35 ft of fill. Didn't want to open tool on fill cause it could bury the Packers.

Attempted to break through fill but the tool kept getting hung up.

**Operation:**

Uploading recovery &
pressures

**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

DATE

October
30
2022

DST #1**Formation: LKC****Test Interval: 4054 -
4082'****Total Depth: 4082'**

Time On: 01:30 10/30

Time Off: 06:05 10/30

Time On Bottom: 00:00 01/01

Time Off Bottom: 04:15 10/30

Down Hole Makeup**Heads Up:** 6.26999999999998 FT**Packer 1:** 4049 FT**Drill Pipe:** 4027.7 FT**Packer 2:** 4054 FT*ID-3 1/4***Top Recorder:** 4038.42 FT**Weight Pipe:** FT**Bottom Recorder:** 4056 FT*ID-2 7/8***Well Bore Size:** 7 7/8**Collars:** 0 FT**Surface Choke:** 1"*ID-2 1/4***Bottom Choke:** 5/8"**Test Tool:** 33.57 FT*ID-3 1/2-FH**Jars**Safety Joint***Total Anchor:** 28**Anchor Makeup****Packer Sub:** 1 FT**Perforations: (top):** FT*4 1/2-FH*

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/4

Change Over: FT

Perforations: (below): 27 FT

4 1/2-FH



Operation:

Uploading recovery &
pressures

**Company: Raymond Oil
Company, Inc
Lease: Kreutzer #1**

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

DATE

October

30

2022

DST #1

Formation: LKC

**Test Interval: 4054 -
4082'**

Total Depth: 4082'

Time On: 01:30 10/30

Time Off: 06:05 10/30

Time On Bottom: 00:00 01/01

Time Off Bottom: 04:15 10/30

Mud Properties

Mud Type: Chem

Weight: 8.6

Viscosity: 48

Filtrate: 7.2

Chlorides: 3400 ppm

**Operation:**

Uploading recovery &
pressures

DATE

October

30

2022

**Company: Raymond Oil
Company, Inc
Lease: Kreutzer #1**

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

DST #1

Formation: LKC

**Test Interval: 4054 -
4082'**

Total Depth: 4082'

Time On: 01:30 10/30

Time Off: 06:05 10/30

Time On Bottom: 00:00 01/01

Time Off Bottom: 04:15 10/30

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: Raymond Oil Company, Inc

Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October

30

2022

DST #2

Formation: LKC 35
zone

Test Interval: 4054 -
4082'

Total Depth: 4082'

Time On: 15:54 10/30

Time Off: 23:10 10/30

Time On Bottom: 17:42 10/30

Time Off Bottom: 21:12 10/30

Recovered

Foot

15

BBLs

0.1539

Description of Fluid

SLOCM

Gas %

0

Oil %

1

Water %

0

Mud %

99

Total Recovered: 15 ft

Total Barrels Recovered: 0.1539

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	1906	PSI
Initial Flow	11 to 14	PSI
Initial Closed in Pressure	1063	PSI
Final Flow Pressure	15 to 19	PSI
Final Closed in Pressure	1018	PSI
Final Hydrostatic Pressure	1903	PSI
Temperature	102	°F
Pressure Change Initial Close / Final Close	4.3	%

BBL

0.1

0

Recovery

Gas
0%

Oil
1%

Water
0%

Mud
99%

GIP cubic foot volume: 0



Operation:

Uploading recovery & pressures

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

DATE

October

30

2022

DST #2

Formation: LKC 35 zone

Test Interval: 4054 - 4082'

Total Depth: 4082'

Time On: 15:54 10/30

Time Off: 23:10 10/30

Time On Bottom: 17:42 10/30

Time Off Bottom: 21:12 10/30

BUCKET MEASUREMENT:

1st Open: WSB. Built to 3/4 inches in 30 minutes

1st Close: NOBB

2nd Open: No Blow

2nd Close: NOBB

REMARKS:

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



SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery & pressures

DATE _____

October

30

2022

DST #2	Formation: LKC 35 zone	Test Interval: 4054 - 4082'	Total Depth: 4082'
---------------	-----------------------------------	--	---------------------------

Time On: 15:54 10/30

Time Off: 23:10 10/30

Time On Bottom: 17:42 10/30

Time Off Bottom: 21:12 10/30

Down Hole Makeup

Heads Up: 6.03 FT

Packer 1: 4049 FT

Drill Pipe: 4027.46 FT

Packer 2: 4054 FT

ID-3 1/4

Top Recorder: 4038.42 FT

Weight Pipe: FT

Bottom Recorder: 4056 FT

ID-2 7/8

Collars: 0 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 28

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/4

Change Over: FT

Perforations: (below): 27 FT

4 1/2-FH



Operation:

Uploading recovery & pressures

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

DATE

October

30

2022

DST #2

Formation: LKC 35 zone

Test Interval: 4054 - 4082'

Total Depth: 4082'

Time On: 15:54 10/30

Time Off: 23:10 10/30

Time On Bottom: 17:42 10/30 Time Off Bottom: 21:12 10/30

Mud Properties

Mud Type: Chem

Weight: 8.9

Viscosity: 54

Filtrate: 7.6

Chlorides: 4500 ppm



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October

30

2022

DST #2

**Formation: LKC 35
zone**

**Test Interval: 4054 -
4082'**

Total Depth: 4082'

Time On: 15:54 10/30

Time Off: 23:10 10/30

Time On Bottom: 17:42 10/30

Time Off Bottom: 21:12 10/30

Gas Volume Report

1st Open

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

2nd Open

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



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October
31
2022

DST #3 Formation: LKC 160 Test Interval: 4270 - 4308' Total Depth: 4308'

Time On: 21:09 10/31 Time Off: 04:45 11/01
Time On Bottom: 23:14 10/31 Time Off Bottom: 02:44 11/01

Electronic Volume
Estimate:
59'

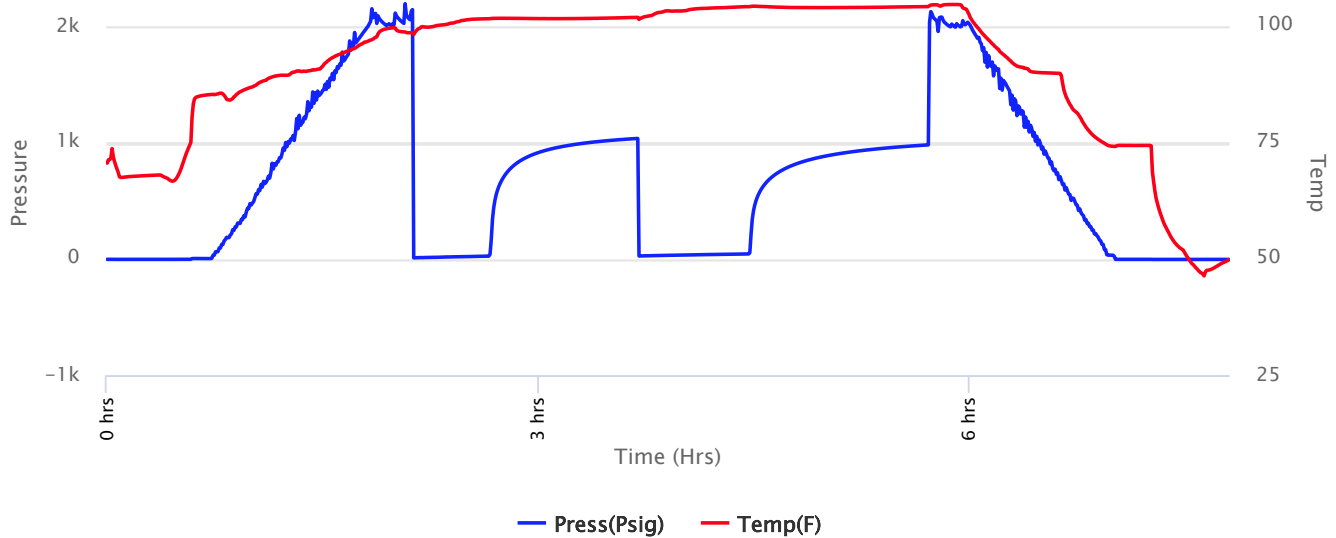
1st Open
Minutes: 30
Current Reading:
2.75" at 30 min
Max Reading: 2.75"

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

2nd Open
Minutes: 45
Current Reading:
2.3" at 45 min
Max Reading: 2.3"

2nd Close
Minutes: 75
Current Reading:
0" at 75 min
Max Reading: 0"

Inside Recorder





Company: Raymond Oil Company, Inc

Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October

31

2022

DST #3 Formation: LKC 160 Test Interval: 4270 - 4308' Total Depth: 4308'

Time On: 21:09 10/31

Time Off: 04:45 11/01

Time On Bottom: 23:14 10/31

Time Off Bottom: 02:44 11/01

Recovered

Foot

72

BBLs

0.73872

Description of Fluid

SLOCM

Gas %

-1

Oil %

1

Water %

0

Mud %

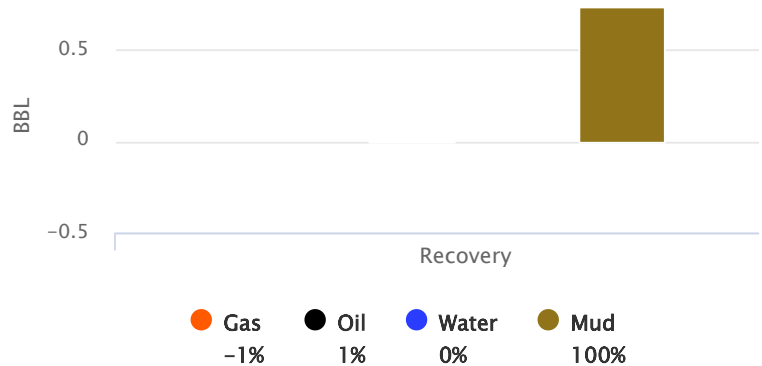
100

Total Recovered: 72 ft

Total Barrels Recovered: 0.73872

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	2034	PSI
Initial Flow	12 to 27	PSI
Initial Closed in Pressure	1042	PSI
Final Flow Pressure	29 to 46	PSI
Final Closed in Pressure	987	PSI
Final Hydrostatic Pressure	2036	PSI
Temperature	105	°F
Pressure Change Initial Close / Final Close	5.3	%

GIP cubic foot volume: -0.04148



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October

31

2022

DST #3 Formation: LKC 160 Test Interval: 4270 - Total Depth: 4308'
4308'

Time On: 21:09 10/31

Time Off: 04:45 11/01

Time On Bottom: 23:14 10/31 Time Off Bottom: 02:44 11/01

BUCKET MEASUREMENT:

1st Open: WSB. Built to 2 3/4 inches in 30 minutes

1st Close: NOBB

2nd Open: WSB. Built to 2 1/4 inch in 45 minutes

2nd Close: NOB

REMARKS:

Tool Sample: 0% Gas 0% Oil 8% Water 92% Mud



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October

31

2022

DST #3 Formation: LKC 160 Test Interval: 4270 - 4308' Total Depth: 4308'

Time On: 21:09 10/31

Time Off: 04:45 11/01

Time On Bottom: 23:14 10/31

Time Off Bottom: 02:44 11/01

Down Hole Makeup

Heads Up: 9.9100000000001 FT

Packer 1: 4265 FT

Drill Pipe: 4247.34 FT

Packer 2: 4270 FT

ID-3 1/4

Packer 3: 4308 FT

Weight Pipe: FT

Top Recorder: 4254.42 FT

ID-2 7/8

Bottom Recorder: 4272 FT

Collars: 0 FT

Below Straddle Recorder: 4309 FT

ID-2 1/4

Test Tool: 33.57 FT

Well Bore Size: 7 7/8

ID-3 1/2-FH

Surface Choke: 1"

Jars

Safety Joint

Bottom Choke: 5/8"

Total Anchor: 38

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/4

Change Over: FT

Perforations: (below): 37 FT

4 1/2-FH

STRADDLE

Straddle Packer(s): FT

Change Over: FT

Drill Pipe: FT

ID-3 1/2"

Change Over: FT

Perforations (in tail pipe): FT

4 1/2-FH



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October

31

2022

DST #3 Formation: LKC 160 Test Interval: 4270 - 4308' Total Depth: 4308'

Time On: 21:09 10/31

Time Off: 04:45 11/01

Time On Bottom: 23:14 10/31

Time Off Bottom: 02:44 11/01

Mud Properties

Mud Type: Chem

Weight: 8.9

Viscosity: 56

Filtrate: 8

Chlorides: 5000 ppm



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

October

31

2022

DST #3 Formation: LKC 160 Test Interval: 4270 - Total Depth: 4308'
4308'

Time On: 21:09 10/31

Time Off: 04:45 11/01

Time On Bottom: 23:14 10/31 Time Off Bottom: 02:44 11/01

Gas Volume Report

1st Open

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

2nd Open

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



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

November
02
2022

DST #4

**Formation:
Marmaton**

**Test Interval: 4486 -
4565'** **Total Depth: 4565'**

Time On: 06:03 11/02

Time Off: 16:55 11/02

Time On Bottom: 08:25 11/02 Time Off Bottom: 11:55 11/02

Electronic Volume
Estimate:
3988'

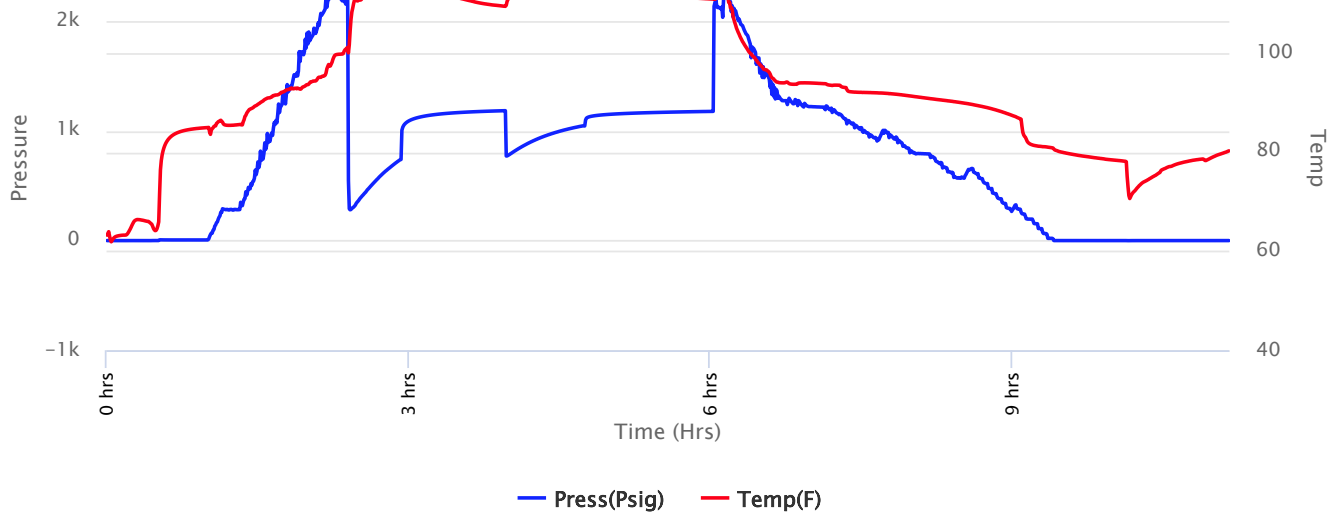
1st Open
Minutes: 30
Current Reading:
287" at 30 min
Max Reading: 287"

1st Close
Minutes: 60
Current Reading:
10.1" at 60 min
Max Reading: 11.3"

2nd Open
Minutes: 45
Current Reading:
165.6" at 45 min
Max Reading: 165.6"

2nd Close
Minutes: 75
Current Reading:
3.1" at 75 min
Max Reading: 3.1"

Inside Recorder





**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

November

02

2022

DST #4

**Formation:
Marmaton**

**Test Interval: 4486 -
4565'**

Total Depth: 4565'

Time On: 06:03 11/02

Time Off: 16:55 11/02

Time On Bottom: 08:25 11/02

Time Off Bottom: 11:55 11/02

Recovered

<u>Foot</u>	<u>BBLs</u>	<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
862	8.84412	G	100	0	0	0
2477	25.41402	O	0	100	0	0
252	2.58552	HOCHMCG	35	30	0	35

Total Recovered: 3591 ft

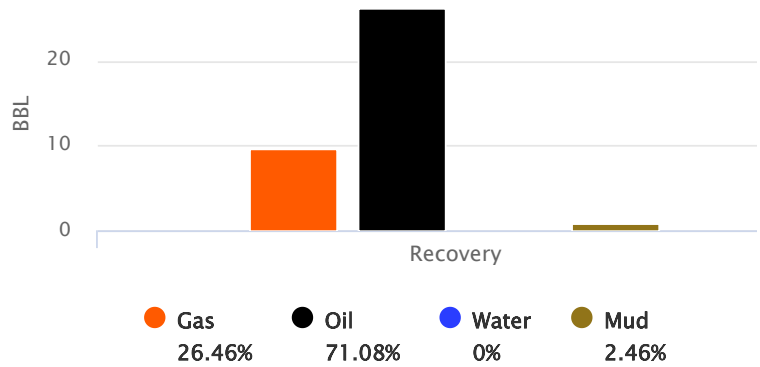
Total Barrels Recovered: 36.84366

Reversed Out
NO

Initial Hydrostatic Pressure	2155	PSI
Initial Flow	289 to 737	PSI
Initial Closed in Pressure	1184	PSI
Final Flow Pressure	771 to 1045	PSI
Final Closed in Pressure	1178	PSI
Final Hydrostatic Pressure	2145	PSI
Temperature	116	°F

Pressure Change Initial
Close / Final Close 0.5 %

Recovery at a glance



GIP cubic foot volume: 54.73605



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

November

02

2022

DST #4

Formation:
Marmaton

Test Interval: 4486 -
4565' **Total Depth: 4565'**

Time On: 06:03 11/02

Time Off: 16:55 11/02

Time On Bottom: 08:25 11/02 Time Off Bottom: 11:55 11/02

BUCKET MEASUREMENT:

1st Open: 2" Blow. BOB in 1 minute

1st Close: 11 1/4 inch Blow Back

2nd Open: 2 1/2" Blow. BOB in 1 minute

2nd Close: 3 inch blow back

REMARKS:

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

Gravity: 26.4 @ 60 °F



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

November

02

2022

DST #4

Formation:
Marmaton

Test Interval: 4486 -
4565' **Total Depth: 4565'**

Time On: 06:03 11/02

Time Off: 16:55 11/02

Time On Bottom: 08:25 11/02

Time Off Bottom: 11:55 11/02

Down Hole Makeup

Heads Up: 12.47 FT

Packer 1: 4481.13 FT

Drill Pipe: 4466.03 FT
ID-3 1/4

Packer 2: 4486.13 FT

Weight Pipe: FT
ID-2 7/8

Top Recorder: 4470.55 FT

Collars: 0 FT
ID-2 1/4

Bottom Recorder: 4553 FT

Test Tool: 33.57 FT
ID-3 1/2-FH
Jars
Safety Joint

Well Bore Size: 7 7/8

Surface Choke: 1"

Bottom Choke: 5/8"

Total Anchor: 78.87

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: .5 FT

Drill Pipe: (in anchor): 62.37 FT
ID-3 1/4

Change Over: 1 FT

Perforations: (below): 13 FT
4 1/2-FH



**Company: Raymond Oil
Company, Inc**
Lease: Kreutzer #1

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

November

02

2022

DST #4

Formation:
Marmaton

Test Interval: 4486 -
4565'

Total Depth: 4565'

Time On: 06:03 11/02

Time Off: 16:55 11/02

Time On Bottom: 08:25 11/02

Time Off Bottom: 11:55 11/02

Mud Properties

Mud Type: Chem

Weight: 9.2

Viscosity: 60

Filtrate: 9.6

Chlorides: 5800 ppm



**Company: Raymond Oil
Company, Inc
Lease: Kreutzer #1**

SEC: 26 TWN: 19S RNG: 36W
County: WICHITA
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 3228 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 567
API #: 15-203-20373

Operation:

Uploading recovery &
pressures

DATE

November

02

2022

DST #4

**Formation:
Marmaton**

**Test Interval: 4486 -
4565'**

Total Depth: 4565'

Time On: 06:03 11/02

Time Off: 16:55 11/02

Time On Bottom: 08:25 11/02 Time Off Bottom: 11:55 11/02

Gas Volume Report

1st Open

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

2nd Open

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

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



785-953-0222

 TICKET NUMBER 2616K-C
 LOCATION Horton, KS
 FOREMAN Walt Dunkel

 FIELD TICKET & TREATMENT REPORT
 CEMENT

DATE <u>11-5-27</u>	CUSTOMER #	WELL NAME & NUMBER <u>Krentzer #1</u>	SECTION <u>26</u>	TOWNSHIP <u>19S</u>	RANGE <u>36W</u>	COUNTY <u>Wichita</u>
CUSTOMER <u>Raymond Oil Co.</u>			TRUCK # <u>103</u>	DRIVER <u>Cam D.</u>	TRUCK # <u>80-850</u>	DRIVER <u>Bob E.</u>
MAILING ADDRESS			<u>801</u>	<u>Dylan B.</u>		
CITY	STATE	ZIP CODE				

 JOB TYPE Prod - DX HOLE SIZE 7 7/8 HOLE DEPTH 5200' CASING SIZE & WEIGHT 5 1/2" 15.5
 CASING DEPTH 5798 DRILL PIPE TUBING OTHER DX 23 1/2"
 SLURRY WEIGHT 14.2, 12.5 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 42"
 DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

 REMARKS: Safety Workings, Rig up on L-D Rig, run float separator, circ casing on bottom 1 1/2 hr, Pump 50 gal Mud Flush, mixed 225 sks HP-OWC, 5# Kalsec, Clear Pump & Lines, release Bottom Plug + Displaced 20 BBL mud @ 700#, Loaded Plug 1500# release Bottom Plug Float Valve.
Open DX Tool, Circ 30 min mixed 30 sks in RH, mixed sks cement down 5 1/2"
Clear Pump & Lines, release Plug + Displace 56 BBL @ 700#, 2900#, Loaded Plug + Shut Tool @ 2000#
Cement Did Circ.
Approx 8 BBL to Pit

 Thank You
 Walt Dunkel

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	1	PUMP CHARGE	2800.00	2800.00
	50	MILEAGE	7.15	357.50
	29.93	Ten Mileage Delivery	1.75	2,118.25
	225 sks	HP-OWC	25.00	5,625.00
	450 - sks	Light Weight Blood VII	17.50	7,875.00
	113 #	Plc Seal	3.00	339.00
	1125 #	Kalsec	1.50	562.50
	500 gal	Mud Flush	1.65	325.00
	1	5 1/2" HFO Float shoe	385.00	385.00
	1	5 1/2" hole down Plug Assy	400.00	400.00
	10	5 1/2" Cement 112 ans	81.00	810.00
	1	5 1/2" Basket	385.00	385.00
	1	5 1/2" DX Tool	5920.00	5,920.00
				28,652.25
				- 5780.00
				22,872.25
			SALES TAX	
			ESTIMATED TOTAL	

 AUTHORIZATION Walt Dunkel TITLE DATE

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

CC