

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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KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY RAYMOND OIL COMPANY, INC.

LEASE 12-1 SANSON

FIELD WILDCAT

LOCATION 1089' FSL. 4 798' FWL

SEC 12 TWP 4s RGE 22W

COUNTY NORTON STATE KANSAS

CONTRACTOR L.D. DRILLING & EXPL., LLC

SPUD 12-10-21 COMP 12-20-21

RTD 3843 LTD 3842

MUD UP 3087 TYPE MUD CHEMICAL

ELEVATIONS

KB 2252

DF _____

GL 2247

Measurements Are All From 2252 KB

CASING

SURFACE 856' @ 260'

ELECTRICAL SURVEYS
Dual Ind., Devs. N, Micro

SAMPLES SAVED FROM _____ 3100 TO 3843

DRILLING TIME KEPT FROM _____ 3100 TO 3843

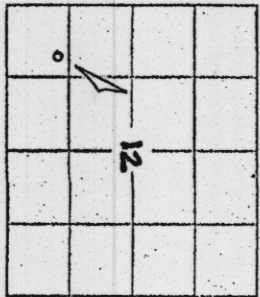
SAMPLES EXAMINED FROM _____ 3800 TO 3843

GEOLOGICAL SUPERVISION FROM _____ 3300 TO 3843

GEOLOGIST ON WELL Kim B. SHOEMAKER

FORMATION TOPS LOG SAMPLES

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	1910 + 342	1912 + 340
HEBNER	3434 - 1182	3438 - 1186
LANSING	3479 - 1227	3481 - 1229
B/KC	3666 - 1414	3674 - 1422
GORHAM	3714 - 1462	3715 - 1463
ARBuckle	3730 - 1478	3738 - 1484



REMARKS

12-10-21	SPUD	API: 15-137-20758
12-11	@ 485'	
12-12	@ 1810'	
12-13	@ 2646'	
12-14	@ 3226'	
12-15	@ 3488'	
12-16	@ 3536'	
12-17	@ 3660'	
12-18	@ 3870'	
12-19	@ 3754'	
12-20	@ 3843'	

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carbonaceous	Limestone	Ool. Lime	Chert	Dolomite

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Increases

SHOEN-11

LTHC

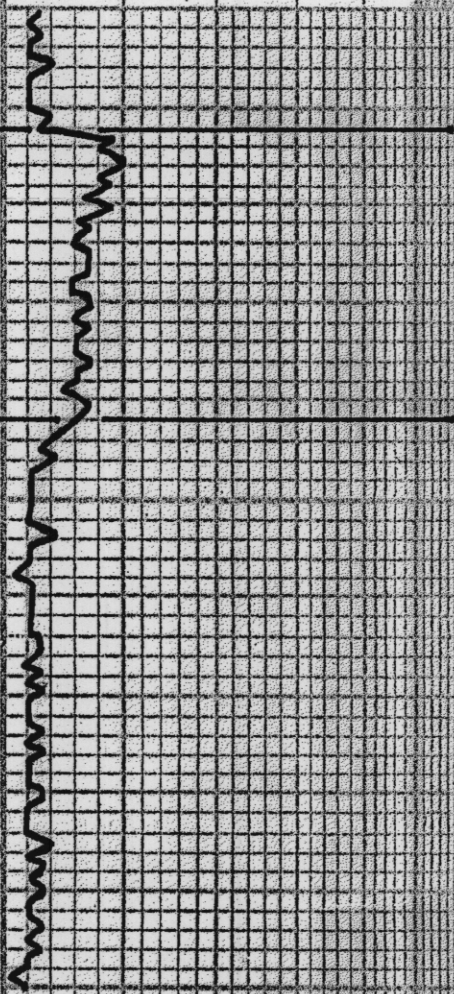
LOG

DEPTH
1900

5" 10" 15" 20" 25"

SAMPLE DESCRIPTIONS

REMARKS



ANHYDRITE 1912+340

B/ANK. 1942+310

2000

3100

Samples are lagged

13 G. VSH. Foss.



3200

LS. In Foss. Sh. Calotte

Sh. L.G. G. G.

LS. w/ Foss.ool. Calotte

Sh. G. L.G.

LS. L.G. w/ DK.G. Foss.

LS. In L.G. V.Sh. A

Sh. L.G.

TOPEKA 3230-978

VLOG

LS. w/ Sh. A

LS. w/ Sh. Foss. Sh. Ch. G.

LS. w/ V.Sh. Foss.

Sh. L.G. G.

LS. w/ Sh. Foss.

3300

A. T. G.

LS. In Foss. Calotte

VI: 52 WT: 88

WL: 72 CH: 2200

LS. In Bl. V.Sh. Foss.

A. Orpa. T.

Sh. L.G. G.

Sh. Ch. G. V. Pa. G. Sub. Rd.

Sh. L.G. G. Sub. Rd. V. Pa. G.

Sh. Rd.

3400

LS. wt. Sh. Foss. Sli A

Sh. Rd.

LS. wt. Sli Foss
LS. wt. Sli Foss Sli A

Sh. Rd.

LS. wt. Foss. Calcutta

LS. wt. Foss. Calcutta

LS. wt. VSh. Foss

1106

HEBNER 3438-1186

Sh. Blk. Carb.

Sh. L. Blue. Fly

DST (1) 3470-3488

1st OPEN: Bottom bucket 28 min. BS: None
2nd OPEN: " " 32 " 58"
30-60-45-75

Tool Sample

100% W

Rec. 109' MW (20% N 80% W)

PH: 7

126' VSMW (3% N 97% W)

RW: 2.2 @ 35%

TF: 235'

RW: .862 @ 99%

FP: 14-58 60-121"

CH: 400,000?

SIP: 1265-1297"



TORONTO

DST (1)

LS. wt. Sli Foss. Sli. Calcutta Sli A

LS.

Sh. Rd.

LANSING 3481-1229

LS. wt. Foss. ool. VSh. Chk. P. V. Sh. Dk. Bl. Blk. H. Y. Sh. VSSFO NO. Ool.

VIS: 46 wt. 91
wt. 8.8 CH: 3000

DST (2)

LS. wt. L. Fly VSh. Foss.

Sh. Rd.

DST (2) 3493-3536

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

Tool Sample

30-60-45-75

1% oil

Rec. 15' Mud

85% W

15' MW (65% W, 35% N)

PH: 7

TF: 30'

RW: 3.9 @ 29%

FP: 11-16 17-22"

RW: 1.16 @ 96%

SIP: 1244-1197"

CH: 225000



3500

Sh. Rd.

LS. wt. VSh. Foss.

LS. wt. Sli Foss. Sh. A

LS. wt. Foss. Sli A

LS. wt. Foss. Sli A

LS. wt. Foss. Sli A

LS. wt. Foss. Sli A

DST (3) 3576-3606

1st OPEN: Built to 1-3/4"
2nd OPEN: " " 1"

Tool Sample

30-60-45-75

1% oil

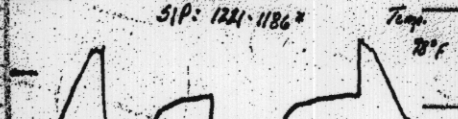
Rec. 30' Mud

2% W

FP: 11-17 17-23"

27% M

SIP: 1221-1186"

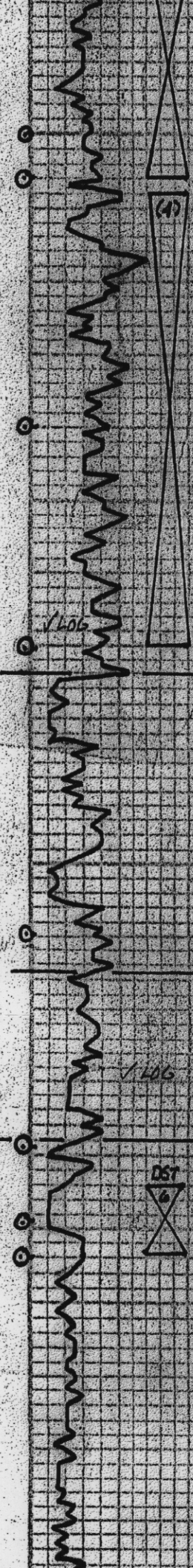


DST (3)

MUNCIE CREEK 3577-1325

Sh. Blk.

3600



VIS: 51 WT: 9.1
WL: 8.8 CAL: 3300

Sh. Rd
LS: T. wt. Shi Foss.ool. Si. Chlly
Dr. Bi. Blk. Sh. sd. SH. SSFD No odor.

LS. wt. Ltg. Vsh Foss
Sh. Rd
LS. wt. Shi Foss. Si. P. Vis p
Blk. Srd. Sh. VSSFD No odor

Sh. Rd
LS. wt. Shi Foss. Foss. P. Vis p
Blk. Dr. Bi. SH. SSFD No odor

Sh. Rd
LS. T. wt. Foss. ool. F. P. Vis p
Dr. Bi. Blk. Sh. Srd. SSFD No odor

Sh. Rd
LS. T. wt. Foss. P. Vis p
Dr. Bi. Blk. Sh. Srd. SSFD No odor

Sh. Rd
LS. T. wt. Foss. P. Vis p
Dr. Bi. Blk. Sh. Srd. SSFD No odor

Sh. Rd
LS. wt. Foss. Sh. A

Sh. Rd. Ltg. Gumy sh
LS. wt. ool. Sh. A

Sh. Rd
LS. wt. V. Foss. Srd. P. Pn. P. P
Dr. Bi. Srd. SH. SSFD Dull. Flow
LS. yellow. Si. Foss No odor

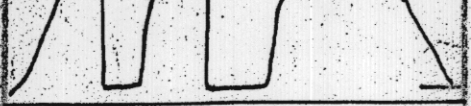
Sh. Rd
LS. wt. V. Foss. Srd. P. Pn. P. P
Dr. Bi. Srd. SH. SSFD Dull. Flow
LS. yellow. Si. Foss No odor

Sh. Rd
LS. wt. V. Foss. Srd. P. Pn. P. P
Dr. Bi. Srd. SH. SSFD Dull. Flow
LS. yellow. Si. Foss No odor

Sh. Rd
LS. wt. V. Foss. Srd. P. Pn. P. P
Dr. Bi. Srd. SH. SSFD Dull. Flow
LS. yellow. Si. Foss No odor

Sh. Rd
LS. wt. V. Foss. Srd. P. Pn. P. P
Dr. Bi. Srd. SH. SSFD Dull. Flow
LS. yellow. Si. Foss No odor

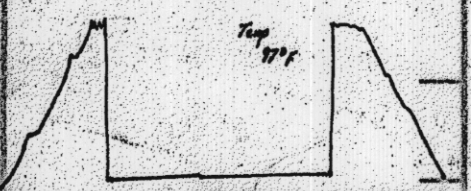
Sh. Rd
LS. wt. V. Foss. Srd. P. Pn. P. P
Dr. Bi. Srd. SH. SSFD Dull. Flow
LS. yellow. Si. Foss No odor



DST (4) 3608-3670

1st OPEN: Blow built to 1 1/2"
2nd OPEN: No Blow

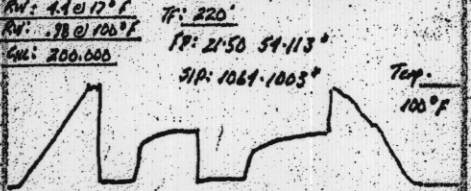
Tool Sample 30.60.45.75
1% Oil Res. 3' Mud
99% Mud FP: 12.15 13.13"
SIP: 49.35"



DST (5) 3668-3739

1st OPEN: Blow built to 6 1/2"
2nd OPEN: " " Bottom bucket 45 min. BB: "

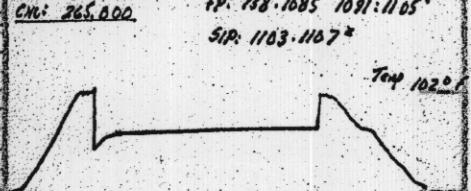
Tool Sample 30.60.45.75
15% Oil Res. 2' Clean Oil
50% W 5' VSSAM (120% M)
35% Mud 87' Mud (100% M)
PH: 8 126' WM (40% W 60% M)



DST (6) 3744-3754

1st OPEN: Bottom bucket 35 min. BB: 1"
2nd OPEN: No Blow BB: None

Tool Sample 30.60.45.75
100% W Res. 220' WM (55% W, 45% M)
PH: 7 2126' Wt. (100% W)
RW: 2.9 @ 32°F TF: 2316'
RW: 1.167 @ 102°F
CML: 265.000



3700

VIS: 46 WT: 9.2
WL: 8.8 CAL: 2400

GORNAM 3715-1463

LS. wt. V. Foss. Srd. P. Pn. P. P
Dr. Bi. Srd. SH. SSFD Dull. Flow
LS. yellow. Si. Foss No odor

ARBUCKLE 3738-1486

Dol. Sh. Md. Sh. F. Vis p
Dr. Bi. Blk. Sh. SSFD Dull. Flow
No odor
Srd. Ltg. Md. Carb. Sub. Rd. w/ T. Sh. F. Srd. Sh. A
Blk. Dr. Bi. Srd. SH. SSFD No odor

Dol. Sh. Md. Sh. F. Vis p
Dr. Bi. Blk. Sh. SSFD Dull. Flow
No odor

Dol. Ltg. F. Srd. Sh. Srd. Glauconite

Dol. T. Pn. F. Srd. SH. A

VIS: 58 WT: 9.3
WL: 8.8 CAL: 3000

DST 6

3800

Dol. to Mid Co. sh. w/ Glass

Dol. Pink Midv. sh.

Dol. ~~of~~ Pink Rd. Sdy. w/ Feldsp.

Dol. Pink Fr. sh. Sdy. w/ Co. Sub. Rd. sd.

Dol. Pink Sdy. Mid Co. sh. w/ Lg. Quartz Frag.

RTD 3843-1591



**Company: Raymond Oil
Company, Inc
Lease: Sansom #12-1**

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery & pressures

DATE
December
15
2021

DST #1 Formation: Lans A Test Interval: 3470 - 3488' Total Depth: 3488'
Time On: 01:08 12/15 Time Off: 09:20 12/15
Time On Bottom: 03:22 12/15 Time Off Bottom: 06:52 12/15

Electronic Volume Estimate:
250'

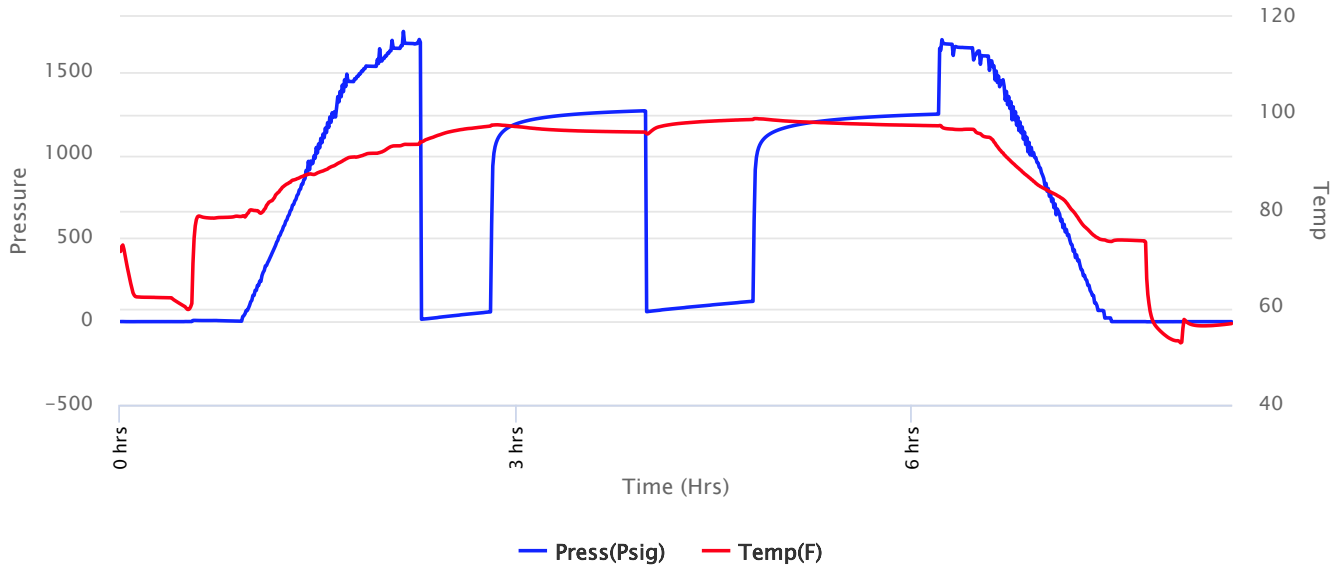
1st Open
Minutes: 30
Current Reading:
12.7" at 30 min
Max Reading: 12.7"

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

2nd Open
Minutes: 45
Current Reading:
14.2" at 45 min
Max Reading: 14.2"

2nd Close
Minutes: 45
Current Reading:
.7" at 45 min
Max Reading: .7"

Inside Recorder





Company: Raymond Oil Company, Inc
Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
 County: NORTON
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2247 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 540
 API #: 15-137-20758-00-00

Operation:
 Uploading recovery & pressures

DATE
 December
15
 2021

DST #1 **Formation: Lans A** **Test Interval: 3470 - 3488'** **Total Depth: 3488'**
 Time On: 01:08 12/15 Time Off: 09:20 12/15
 Time On Bottom: 03:22 12/15 Time Off Bottom: 06:52 12/15

Recovered

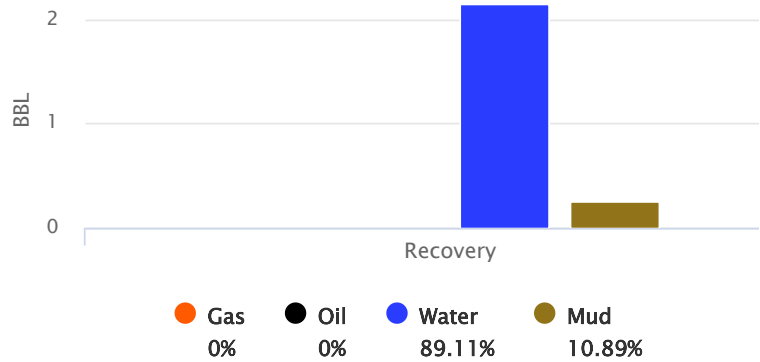
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
109	1.11834	MCW	0	0	80	20
126	1.29276	SLMCW	0	0	97	3

Total Recovered: 235 ft
 Total Barrels Recovered: 2.4111

Reversed Out
 NO

Initial Hydrostatic Pressure	1671	PSI
Initial Flow	14 to 58	PSI
Initial Closed in Pressure	1265	PSI
Final Flow Pressure	60 to 121	PSI
Final Closed in Pressure	1247	PSI
Final Hydrostatic Pressure	1669	PSI
Temperature	99	°F
Pressure Change Initial Close / Final Close	1.4	%

Recovery at a glance



GIP cubic foot volume: 0



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SEC: 12 TWN: 4S RNG: 22W
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State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery &
pressures

DATE
December
15
2021

DST #1 Formation: Lans A Test Interval: 3470 - Total Depth: 3488'
3488'
Time On: 01:08 12/15 Time Off: 09:20 12/15
Time On Bottom: 03:22 12/15 Time Off Bottom: 06:52 12/15

BUCKET MEASUREMENT:

1st Open: 1/4" Blow. BOB in 28 minutes.

1st Close: NOBB

2nd Open: WSB. BOB in 32 minutes

2nd Close: 3/4 inch Blow Back

REMARKS:

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

Ph: 7

Measured RW: 2.2 @ 35 degrees °F

RW at Formation Temp: 0.869 @ 99 °F

Chlorides: 400,000 + ppm



**Company: Raymond Oil
Company, Inc**

Lease: Sansom #12-1

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County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
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DST #1 Formation: Lans A Test Interval: 3470 - 3488' Total Depth: 3488'
Time On: 01:08 12/15 Time Off: 09:20 12/15
Time On Bottom: 03:22 12/15 Time Off Bottom: 06:52 12/15

Down Hole Makeup

Heads Up: 29.64 FT	Packer 1: 3465 FT
Drill Pipe: 3467.07 FT <i>ID-3 1/4</i>	Packer 2: 3470 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3454.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3472 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 18	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/4</i>	
Change Over: FT	
Perforations: (below): 17 FT <i>4 1/2-FH</i>	



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Company, Inc**

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3488'

Time On: 01:08 12/15 Time Off: 09:20 12/15
Time On Bottom: 03:22 12/15 Time Off Bottom: 06:52 12/15

Mud Properties

Mud Type: Chem **Weight:** 8.8 **Viscosity:** 52 **Filtrate:** 7.2 **Chlorides:** 2200 ppm



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Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
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Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery & pressures

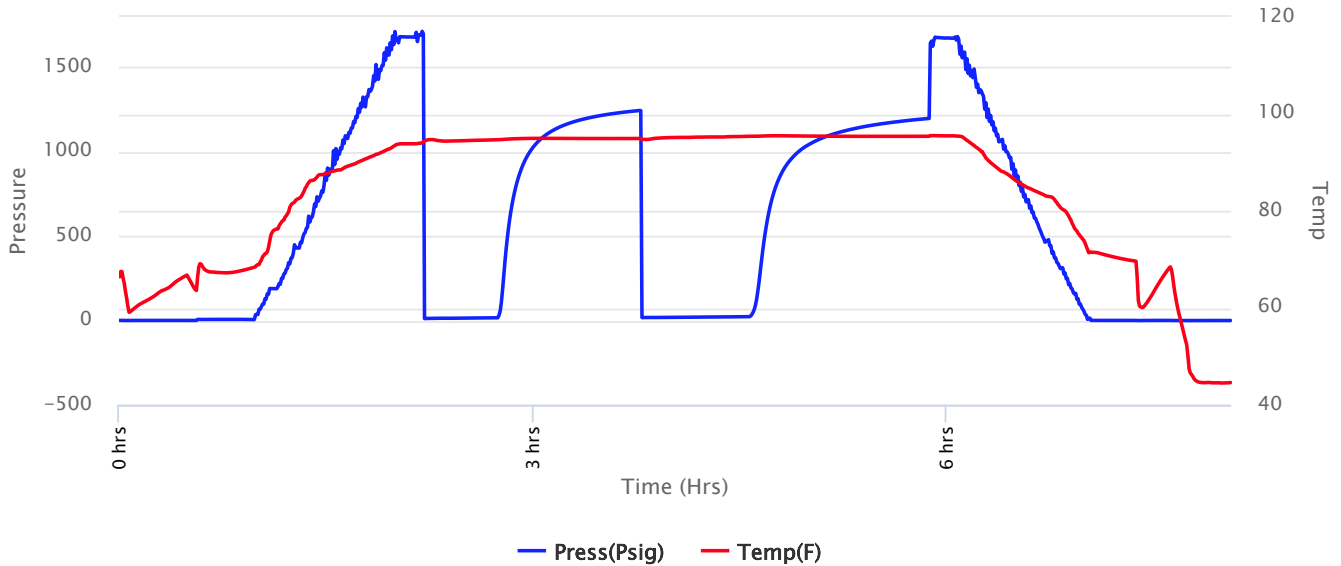
DATE
December
15
2021

DST #2 **Formation: Lans 35/50** **Test Interval: 3493 - 3536'** **Total Depth: 3536'**
Time On: 21:32 12/15 Time Off: 05:14 12/16
Time On Bottom: 23:33 12/15 Time Off Bottom: 03:03 12/16

Electronic Volume Estimate:
16'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 60	Minutes: 45	Minutes: 75
Current Reading: 1.5" at 30 min	Current Reading: 0" at 60 min	Current Reading: .2" at 45 min	Current Reading: 0" at 75 min
Max Reading: 1.5"	Max Reading: 0"	Max Reading: .2"	Max Reading: 0"

Inside Recorder





Company: Raymond Oil Company, Inc

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
 County: NORTON
 State: Kansas
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 Elevation: 2247 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 540
 API #: 15-137-20758-00-00

Operation:
 Uploading recovery & pressures

DATE
 December
15
 2021

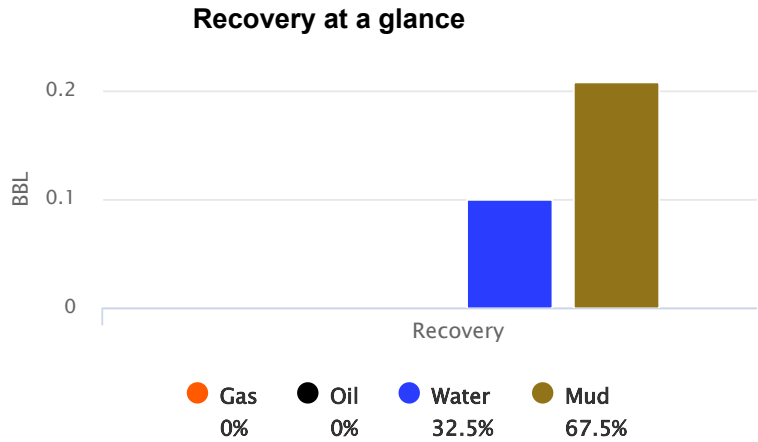
DST #2 **Formation: Lans 35/50** **Test Interval: 3493 - 3536'** **Total Depth: 3536'**
 Time On: 21:32 12/15 Time Off: 05:14 12/16
 Time On Bottom: 23:33 12/15 Time Off Bottom: 03:03 12/16

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
15	0.1539	M	0	0	0	100
15	0.1539	HMCW	0	0	65	35

Total Recovered: 30 ft
 Total Barrels Recovered: 0.3078

Reversed Out
 NO

Initial Hydrostatic Pressure	1679	PSI
Initial Flow	11 to 16	PSI
Initial Closed in Pressure	1244	PSI
Final Flow Pressure	17 to 22	PSI
Final Closed in Pressure	1197	PSI
Final Hydrostatic Pressure	1679	PSI
Temperature	96	°F
Pressure Change Initial Close / Final Close	3.8	%



GIP cubic foot volume: 0



**Company: Raymond Oil
Company, Inc**

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
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DST #2	Formation: Lans 35/50	Test Interval: 3493 - 3536'	Total Depth: 3536'
	Time On: 21:32 12/15	Time Off: 05:14 12/16	
	Time On Bottom: 23:33 12/15	Time Off Bottom: 03:03 12/16	

BUCKET MEASUREMENT:

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

1st Close: NOBB

2nd Open: No Blow. Weak Blow came in 23 minutes into flow and built to 1/4 inch in 45 minutes

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 1% Oil 25% Water 74% Mud

Ph: 7

Measured RW: 3.9 @ 24 degrees °F

RW at Formation Temp: 1.168 @ 96 °F

Chlorides: 225000 ppm



**Company: Raymond Oil
Company, Inc**

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery &
pressures

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DST #3	Formation: LKC H/140 ft	Test Interval: 3576 - 3606'	Total Depth: 3606'
	Time On: 16:01 12/16	Time Off: 23:31 12/16	
	Time On Bottom: 18:10 12/16	Time Off Bottom: 21:40 12/16	

BUCKET MEASUREMENT:

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

1st Close: NOBB

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

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 1% Oil 2% Water 97% Mud



Company: Raymond Oil Company, Inc

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
 County: NORTON
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2247 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 540
 API #: 15-137-20758-00-00

Operation:
 Uploading recovery & pressures

DATE
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DST #4 **Formation: Lans I/160/L/220** **Test Interval: 3608 - 3670'** **Total Depth: 3670'**
 Time On: 14:05 12/17 Time Off: 22:34 12/17
 Time On Bottom: 16:33 12/17 Time Off Bottom: 20:03 12/17

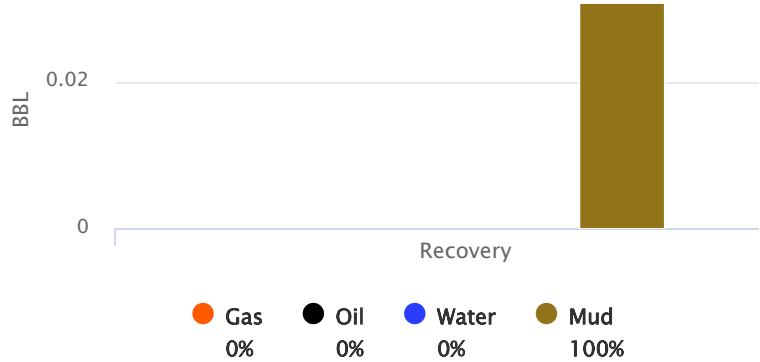
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3	0.03078	M	0	0	0	100

Total Recovered: 3 ft
 Total Barrels Recovered: 0.03078

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1728	PSI
Initial Flow	12 to 13	PSI
Initial Closed in Pressure	49	PSI
Final Flow Pressure	13 to 13	PSI
Final Closed in Pressure	25	PSI
Final Hydrostatic Pressure	1728	PSI
Temperature	97	°F
Pressure Change Initial Close / Final Close	49.6	%

GIP cubic foot volume: 0



**Company: Raymond Oil
Company, Inc**
Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery & pressures

DATE
December
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2021

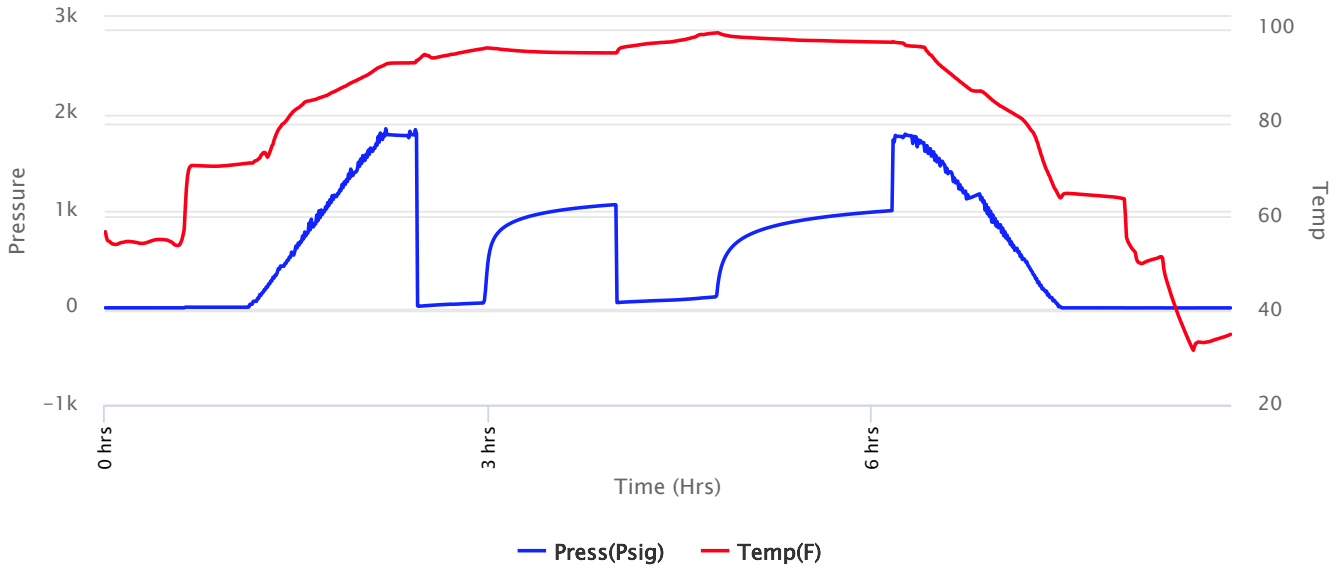
DST #5 Formation: Gorhom Test Interval: 3668 - 3739' Total Depth: 3739'

Time On: 14:42 12/18 Time Off: 23:17 12/18
Time On Bottom: 17:07 12/18 Time Off Bottom: 20:37 12/18

Electronic Volume Estimate:
179'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 60	Minutes: 45	Minutes: 75
Current Reading: 6.6" at 30 min	Current Reading: 0" at 60 min	Current Reading: 12" at 45 min	Current Reading: 0" at 75 min
Max Reading: 6.6"	Max Reading: 0"	Max Reading: 12"	Max Reading: 0"

Inside Recorder





Company: Raymond Oil Company, Inc
Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
 County: NORTON
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2247 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 540
 API #: 15-137-20758-00-00

Operation:
 Uploading recovery & pressures

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DST #5 Formation: Gorhom Test Interval: 3668 - 3739' Total Depth: 3739'
 Time On: 14:42 12/18 Time Off: 23:17 12/18
 Time On Bottom: 17:07 12/18 Time Off Bottom: 20:37 12/18

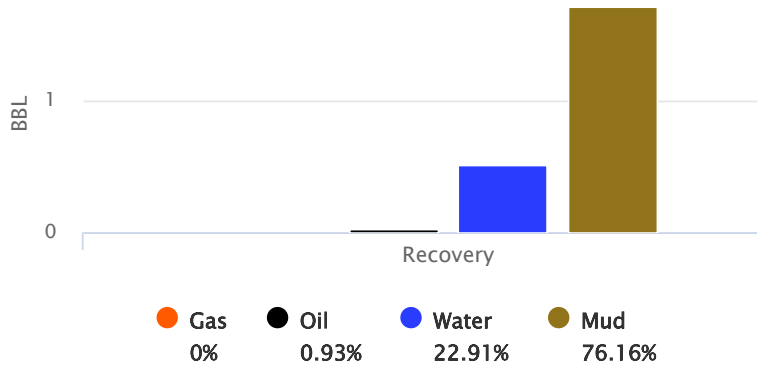
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2	0.02052	O	0	100	0	0
5	0.0513	SLOCM	0	1	0	99
87	0.89262	M	0	0	0	100
126	1.29276	HWCM	0	0	40	60

Total Recovered: 220 ft
 Total Barrels Recovered: 2.2572

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1778	PSI
Initial Flow	21 to 50	PSI
Initial Closed in Pressure	1064	PSI
Final Flow Pressure	54 to 113	PSI
Final Closed in Pressure	1003	PSI
Final Hydrostatic Pressure	1779	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	5.8	%

GIP cubic foot volume: 0



**Company: Raymond Oil
Company, Inc**

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery &
pressures

DATE
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2021

DST #5 Formation: Gorhom Test Interval: 3668 - Total Depth: 3739'
3739'

Time On: 14:42 12/18 Time Off: 23:17 12/18
Time On Bottom: 17:07 12/18 Time Off Bottom: 20:37 12/18

BUCKET MEASUREMENT:

1st Open: 1/4" Blow. Built to 6 1/2 inches in 30 minutes

1st Close: NOBB

2nd Open: 1/4" Blow. BOB in 45 minutes

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 15% Oil 50% Water 35% Mud

Ph: 8

Measured RW: 4.4 @ 17 degrees °F

RW at Formation Temp: 0.98 @ 100 °F

Chlorides: 200000 ppm



Company: Raymond Oil Company, Inc

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery & pressures

DATE
December
18
2021

DST #5 Formation: Gorhom Test Interval: 3668 - 3739' Total Depth: 3739'

Time On: 14:42 12/18 Time Off: 23:17 12/18
Time On Bottom: 17:07 12/18 Time Off Bottom: 20:37 12/18

Down Hole Makeup

Heads Up: 20.27 FT	Packer 1: 3663 FT
Drill Pipe: 3655.7 FT <i>ID-3 1/4</i>	Packer 2: 3668 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3652.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3704 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 71	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 1 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.5 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 36 FT <i>4 1/2-FH</i>	



**Company: Raymond Oil
Company, Inc**

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery &
pressures

DATE
December
18
2021

DST #5 Formation: Gorhom Test Interval: 3668 - Total Depth: 3739'
3739'

Time On: 14:42 12/18 Time Off: 23:17 12/18
Time On Bottom: 17:07 12/18 Time Off Bottom: 20:37 12/18

Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 46 **Filtrate:** 8.8 **Chlorides:** 2400 ppm



Company: Raymond Oil Company, Inc

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery & pressures

DATE
December
18
2021

DST #5 Formation: Gorhom Test Interval: 3668 - 3739' Total Depth: 3739'

Time On: 14:42 12/18 Time Off: 23:17 12/18
Time On Bottom: 17:07 12/18 Time Off Bottom: 20:37 12/18

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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Company: Raymond Oil Company, Inc

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery & pressures

DATE
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19
2021

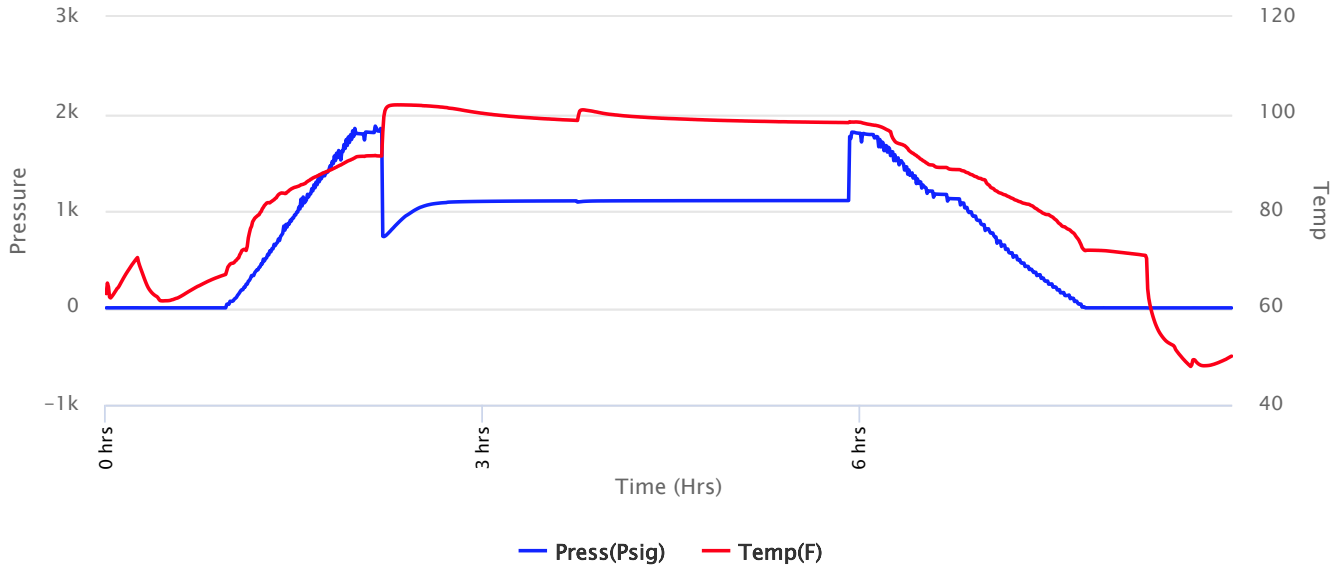
DST #6 Formation: Arbuckle Test Interval: 3744 - 3754' Total Depth: 3754'

Time On: 09:24 12/19 Time Off: 18:09 12/19
Time On Bottom: 11:34 12/19 Time Off Bottom: 15:04 12/19

Electronic Volume Estimate:
3718'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 60	Minutes: 45	Minutes: 75
Current Reading: 375" at 30 min	Current Reading: 1" at 60 min	Current Reading: 375" at 45 min	Current Reading: 0" at 75 min
Max Reading: 375"	Max Reading: 1"	Max Reading: 375"	Max Reading: 0"

Inside Recorder





Company: Raymond Oil Company, Inc
Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
 County: NORTON
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2247 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 540
 API #: 15-137-20758-00-00

Operation:
 Uploading recovery & pressures

DATE
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19
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DST #6 Formation: Arbuckle Test Interval: 3744 - 3754' Total Depth: 3754'

Time On: 09:24 12/19 Time Off: 18:09 12/19
 Time On Bottom: 11:34 12/19 Time Off Bottom: 15:04 12/19

Recovered

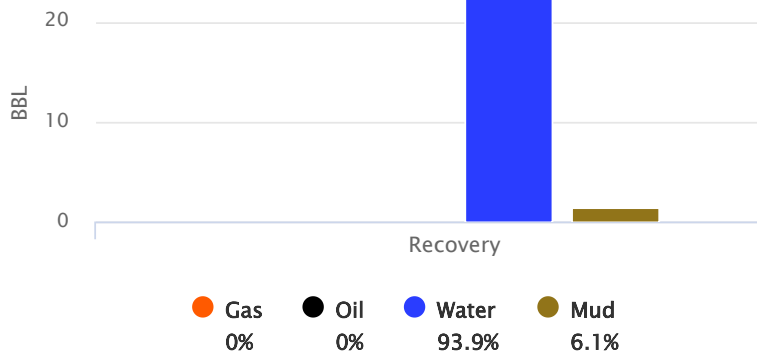
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
220	2.2572	HWCM	0	0	35	65
2126	21.81276	W	0	0	100	0

Total Recovered: 2346 ft
 Total Barrels Recovered: 24.06996

Reversed Out
 NO

Initial Hydrostatic Pressure	1808	PSI
Initial Flow	738 to 1085	PSI
Initial Closed in Pressure	1103	PSI
Final Flow Pressure	1091 to 1105	PSI
Final Closed in Pressure	1107	PSI
Final Hydrostatic Pressure	1807	PSI
Temperature	102	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 0



**Company: Raymond Oil
Company, Inc**

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery &
pressures

DATE
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DST #6 Formation: Arbuckle Test Interval: 3744 - Total Depth: 3754'
3754'

Time On: 09:24 12/19 Time Off: 18:09 12/19
Time On Bottom: 11:34 12/19 Time Off Bottom: 15:04 12/19

BUCKET MEASUREMENT:

1st Open: 1" Blow. BOB in 35 seconds
1st Close: 1 inch Blow Back
2nd Open: No Blow
2nd Close: NOBB

REMARKS:

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

Ph: 7

Measured RW: 2.9 @ 37 degrees °F

RW at Formation Temp: 1.167 @ 102 °F

Chlorides: 265000 ppm



**Company: Raymond Oil
Company, Inc**

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
 County: NORTON
 State: Kansas
 Drilling Contractor: L. D. Drilling &
 Exploration, LLC - Rig 1
 Elevation: 2247 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 540
 API #: 15-137-20758-00-00

Operation:
 Uploading recovery &
 pressures

DATE
 December
19
 2021

DST #6 Formation: Arbuckle Test Interval: 3744 - Total Depth: 3754'
3754'

Time On: 09:24 12/19 Time Off: 18:09 12/19
 Time On Bottom: 11:34 12/19 Time Off Bottom: 15:04 12/19

Down Hole Makeup

Heads Up: 6.77 FT	Packer 1: 3739 FT
Drill Pipe: 3718.2 FT <i>ID-3 1/4</i>	Packer 2: 3744 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3728.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 1 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 10	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/4</i>	
Change Over: FT	
Perforations: (below): 9 FT <i>4 1/2-FH</i>	



**Company: Raymond Oil
Company, Inc**

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery &
pressures

DATE
December
19
2021

DST #6 Formation: Arbuckle Test Interval: 3744 - Total Depth: 3754'
3754'

Time On: 09:24 12/19 Time Off: 18:09 12/19
Time On Bottom: 11:34 12/19 Time Off Bottom: 15:04 12/19

Mud Properties

Mud Type: Chem **Weight:** 9.3 **Viscosity:** 58 **Filtrate:** 8.8 **Chlorides:** 3000 ppm



Company: Raymond Oil Company, Inc

Lease: Sansom #12-1

SEC: 12 TWN: 4S RNG: 22W
County: NORTON
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2247 EGL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 540
API #: 15-137-20758-00-00

Operation:
Uploading recovery & pressures

DATE
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2021

DST #6 Formation: Arbuckle Test Interval: 3744 - 3754' Total Depth: 3754'

Time On: 09:24 12/19 Time Off: 18:09 12/19
Time On Bottom: 11:34 12/19 Time Off Bottom: 15:04 12/19

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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785-953-0222

TICKET NUMBER 1441 K-C
 LOCATION Hugoton Ks
 FOREMAN Walt Dunkel

**FIELD TICKET & TREATMENT REPORT
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-10-21		Sea Sam #12-1	12	45	22 ^W	Ks Norton
CUSTOMER Raymond Oil Co, Inc			Edward East to Rd 7E north to Rd U 1/2 S 45			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			103	Jason A.		
STATE			801-851	Nathan S.		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 263' CASING SIZE & WEIGHT 8 5/8 - 23#
 CASING DEPTH 260' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.7 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 15 1/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, Rig up on L-D Digs, Circ casing on bottom
mixed 175 s/s com, 3% CC - 2% bal, Displace 15 1/4 BBL H₂O, Shot
Cement did Circ
1 BBL to Pit

*Thank You
 Walt & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	1	PUMP CHARGE	1,150 ⁰⁰	1,150 ⁰⁰
	60	MILEAGE	7.95	477 ⁰⁰
	8.23	Ton Mileage Delivery	175	861 ¹⁵
	175	Surface Blend II	24 ⁰⁰	4,200 ⁰⁰
				6,613 ¹⁵
		Less 25% Disc		-1,660 ⁷⁹
				4,982 ³⁶
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION [Signature] 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.