

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	HARMS A 2-26
Doc ID	1713160

All Electric Logs Run

DI
Sonic
PE
Micro



**Company: Satchell Creek
Petroleum, LLC
Lease: Harms "A" #2-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
10
2023

DST #1 Formation: Kansas City Test Interval: 2154 - 2193' Total Depth: 2810'
Time On: 17:38 01/10 Time Off: 01:51 01/11
Time On Bottom: 20:25 01/10 Time Off Bottom: 23:40 01/10

Electronic Volume Estimate:
158'

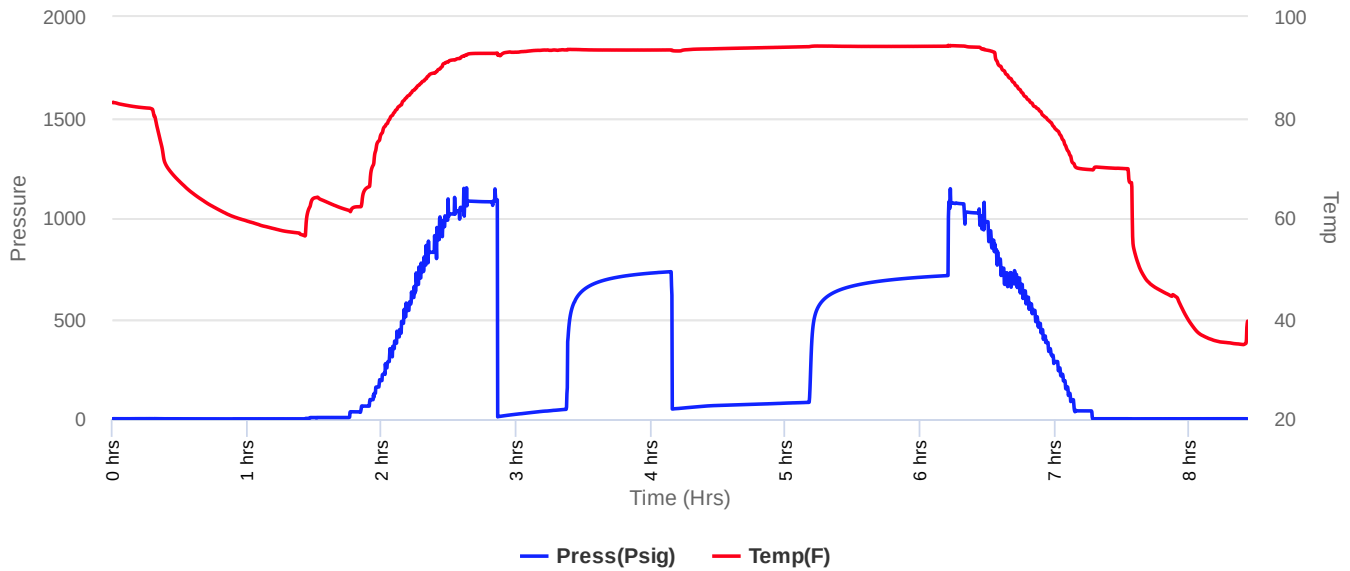
1st Open
Minutes: 30
Current Reading:
6.5" at 30 min
Max Reading: 6.5"

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

2nd Open
Minutes: 60
Current Reading:
9.1" at 60 min
Max Reading: 9.1"

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

Inside Recorder





**Company: Satchell Creek
Petroleum, LLC
Lease: Harms "A" #2-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
10
2023

DST #1 **Formation: Kansas City** **Test Interval: 2154 - 2193'** **Total Depth: 2810'**
Time On: 17:38 01/10 Time Off: 01:51 01/11
Time On Bottom: 20:25 01/10 Time Off Bottom: 23:40 01/10

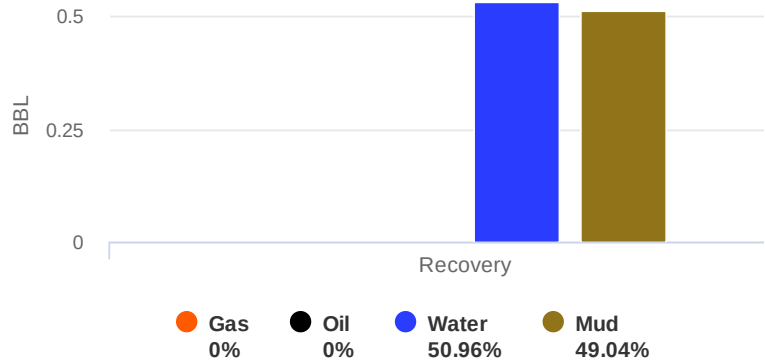
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
35	0.4892986	SLWCM	0	0	10	90
113	0.55596	SLMCW	0	0	87	13

Total Recovered: 148 ft
Total Barrels Recovered: 1.0452586

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1114	PSI
Initial Flow	12 to 60	PSI
Initial Closed in Pressure	734	PSI
Final Flow Pressure	51 to 84	PSI
Final Closed in Pressure	714	PSI
Final Hydrostatic Pressure	1083	PSI
Temperature	95	°F
Pressure Change Initial Close / Final Close	2.7	%

GIP cubic foot volume: 0



Company: Satchell Creek Petroleum, LLC

Lease: Harms "A" #2-26

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
10
2023

DST #1 **Formation: Kansas City** **Test Interval: 2154 - 2193'** **Total Depth: 2810'**
Time On: 17:38 01/10 Time Off: 01:51 01/11
Time On Bottom: 20:25 01/10 Time Off Bottom: 23:40 01/10

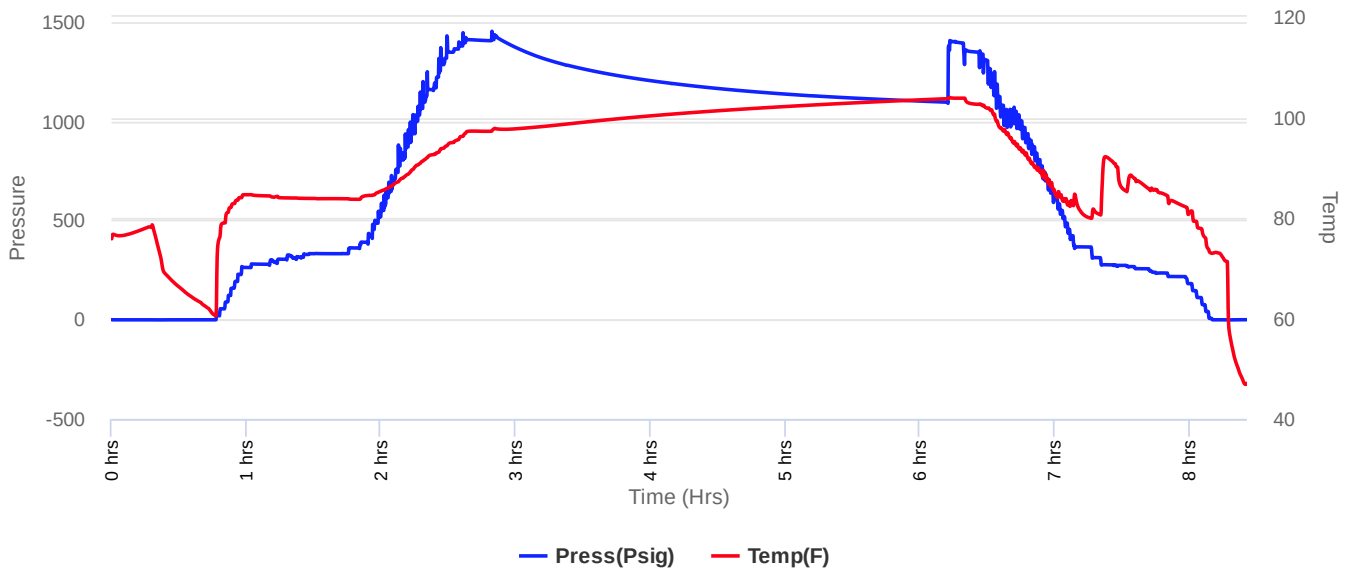
BUCKET MEASUREMENT:

1st Open: Surface blow building to 6 ins.
1st Close: No blow back.
2nd Open: Surface blow in 5 mins. building to 9 ins.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 100% Water 0% Mud
Ph: 7
Measured RW: .6 @ 36 degrees °F
RW at Formation Temp: 0.252 @ 95 °F
Chlorides: 19,700 ppm

Below Straddle Recorder





**Company: Satchell Creek
Petroleum, LLC
Lease: Harms "A" #2-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
11
2023

DST #2 **Formation: Bartlesville** **Test Interval: 2750 - 2810'** **Total Depth: 2810'**
Time On: 02:12 01/11 Time Off: 09:42 01/11
Time On Bottom: 04:31 01/11 Time Off Bottom: 07:46 01/11

Electronic Volume Estimate:
400'

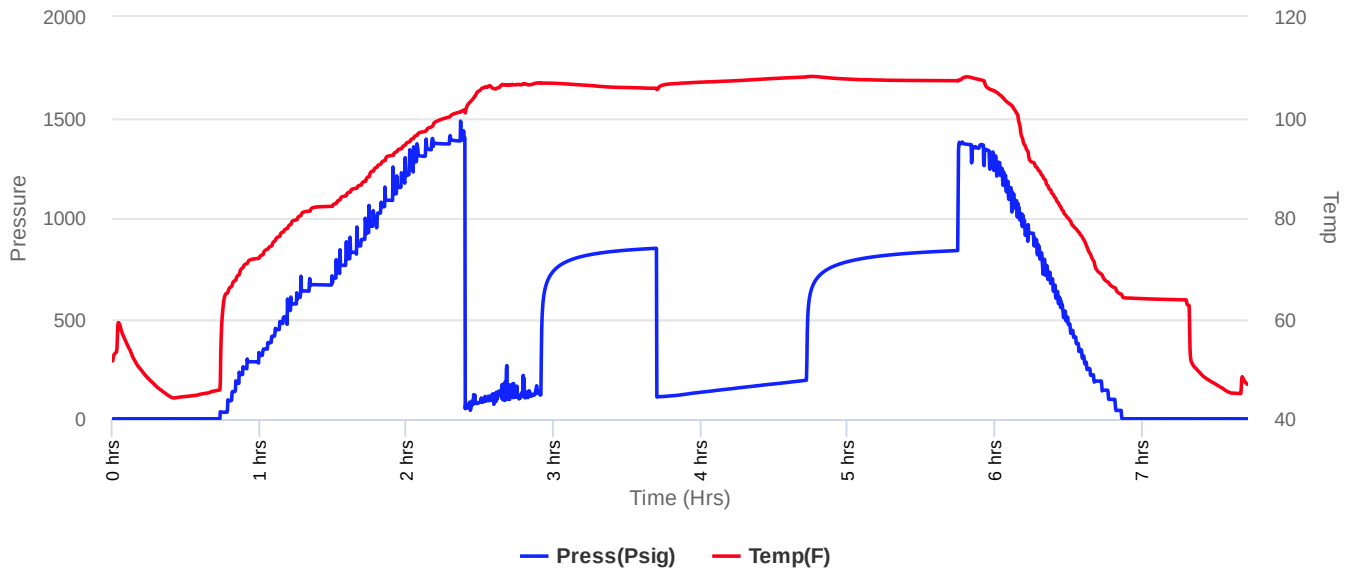
1st Open
Minutes: 30
Current Reading:
17.7" at 30 min
Max Reading: 17.7"

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

2nd Open
Minutes: 60
Current Reading:
30.8" at 60 min
Max Reading: 30.8"

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

Inside Recorder





**Company: Satchell Creek
Petroleum, LLC
Lease: Harms "A" #2-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
11
2023

DST #2 **Formation:** Bartlesville **Test Interval:** 2750 - 2810' **Total Depth:** 2810'
Time On: 02:12 01/11 Time Off: 09:42 01/11
Time On Bottom: 04:31 01/11 Time Off Bottom: 07:46 01/11

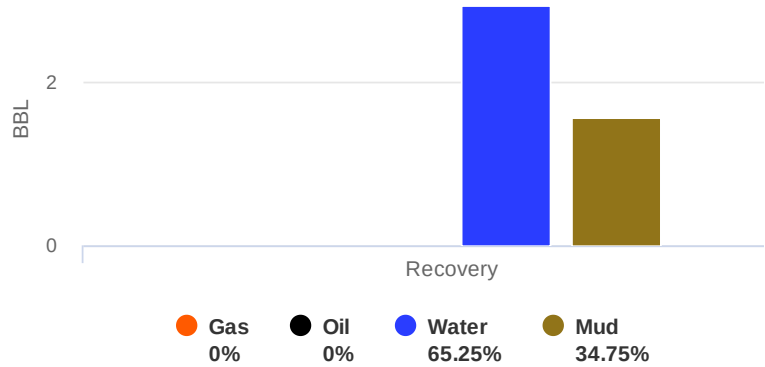
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
25	0.35575	HWCM	0	0	40	60
127	1.80721	HMCW	0	0	60	40
181	2.0455186	MCW	0	0	75	25
57	0.28044	HMCW	0	0	60	40

Total Recovered: 390 ft
Total Barrels Recovered: 4.4889186

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1397	PSI
Initial Flow	52 to 122	PSI
Initial Closed in Pressure	849	PSI
Final Flow Pressure	112 to 192	PSI
Final Closed in Pressure	838	PSI
Final Hydrostatic Pressure	1367	PSI
Temperature	109	°F
Pressure Change Initial Close / Final Close	1.3	%

GIP cubic foot volume: 0



**Company: Satchell Creek
Petroleum, LLC**

Lease: Harms "A" #2-26

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
11
2023

DST #2	Formation: Bartlesville	Test Interval: 2750 - 2810'	Total Depth: 2810'
	Time On: 02:12 01/11	Time Off: 09:42 01/11	
	Time On Bottom: 04:31 01/11	Time Off Bottom: 07:46 01/11	

BUCKET MEASUREMENT:

1st Open: 1 in. blow building. BOB in 20 mins.
1st Close: No blow back.
2nd Open: Surface blow building. BOB in 23 mins. 15 secs.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 90% Water 10% Mud
Ph: 7
Measured RW: .68 @ 36 degrees °F
RW at Formation Temp: 0.251 @ 109 °F
Chlorides: 17,400 ppm



Company: Satchell Creek Petroleum, LLC

Lease: Harms "A" #2-26

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
11
2023

DST #2 **Formation:** **Test Interval: 2750 -** **Total Depth: 2810'**
Bartlesville **2810'**
Time On: 02:12 01/11 Time Off: 09:42 01/11
Time On Bottom: 04:31 01/11 Time Off Bottom: 07:46 01/11

Down Hole Makeup

Heads Up: 23.7 FT	Packer 1: 2744.5 FT
Drill Pipe: 2626.19 FT <i>ID-3 1/2</i>	Packer 2: 2750 FT
Weight Pipe: FT	Top Recorder: 2733.42 FT
Collars: 113.94 FT <i>ID-2 1/4</i>	Bottom Recorder: 2785 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 60	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 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 26 FT <i>4 1/2-FH</i>	



**Company: Satchell Creek
Petroleum, LLC
Lease: Harms "A" #2-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
12
2023

DST #3 **Formation:** **Test Interval: 2751 -** **Total Depth: 2948'**
Bartlesville **2789'**
Time On: 00:13 01/12 Time Off: 08:44 01/12
Time On Bottom: 03:27 01/12 Time Off Bottom: 06:27 01/12

Electronic Volume
Estimate:
2'

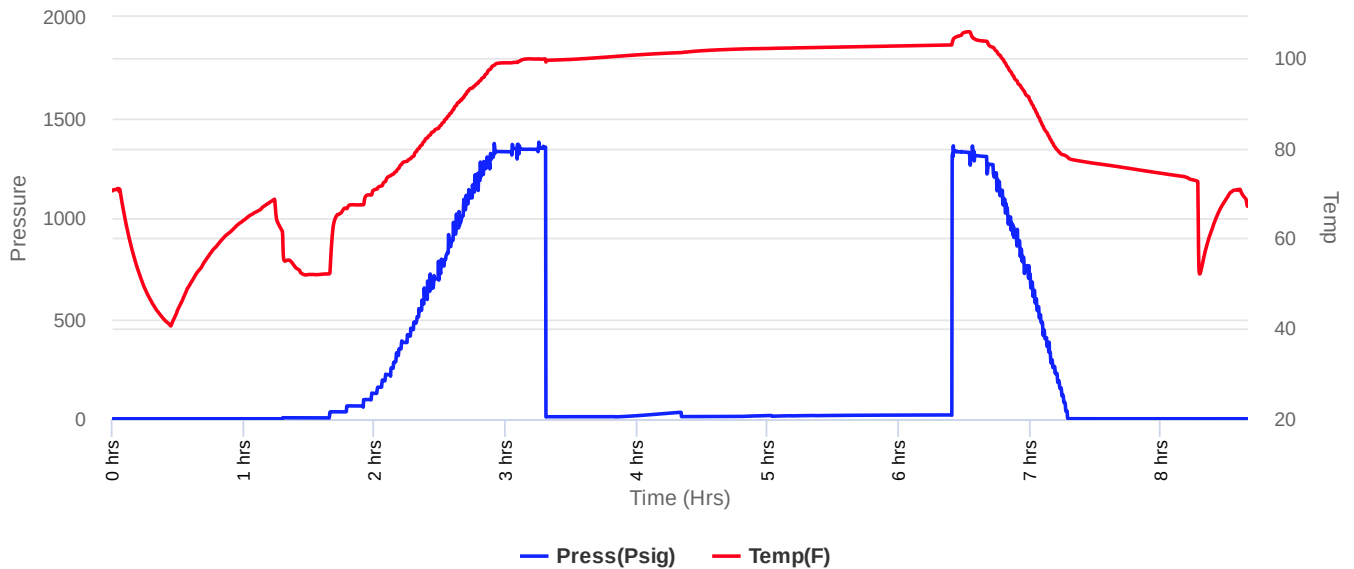
1st Open
Minutes: 30
Current Reading:
.1" at 30 min
Max Reading: .1"

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

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

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

Inside Recorder





**Company: Satchell Creek
Petroleum, LLC
Lease: Harms "A" #2-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
12
2023

DST #3 **Formation:** Bartlesville **Test Interval:** 2751 - 2789' **Total Depth:** 2948'
Time On: 00:13 01/12 Time Off: 08:44 01/12
Time On Bottom: 03:27 01/12 Time Off Bottom: 06:27 01/12

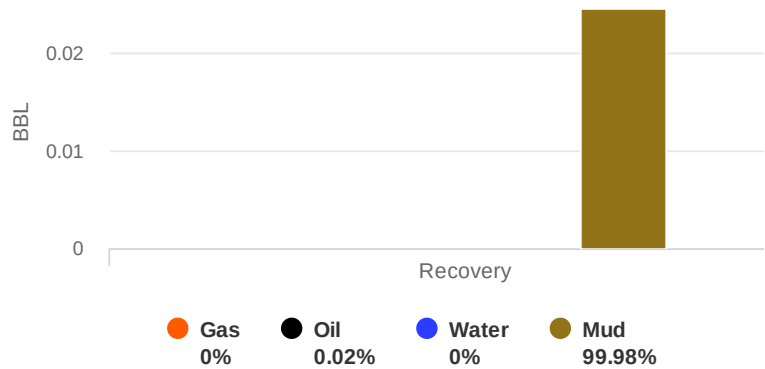
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0246	M (trace oil)	0	.02	0	99.98

Total Recovered: 5 ft
Total Barrels Recovered: 0.0246

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1348	PSI
Initial Flow	12 to 13	PSI
Initial Closed in Pressure	33	PSI
Final Flow Pressure	13 to 19	PSI
Final Closed in Pressure	21	PSI
Final Hydrostatic Pressure	1333	PSI
Temperature	103	°F
Pressure Change Initial Close / Final Close	37.2	%

GIP cubic foot volume: 0



**Company: Satchell Creek
Petroleum, LLC
Lease: Harms "A" #2-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig 2
Elevation: 1471 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24185

Operation:
Well Complete

DATE
January
12
2023

DST #3 **Formation: Bartlesville** **Test Interval: 2751 - 2789'** **Total Depth: 2948'**
Time On: 00:13 01/12 Time Off: 08:44 01/12
Time On Bottom: 03:27 01/12 Time Off Bottom: 06:27 01/12

BUCKET MEASUREMENT:

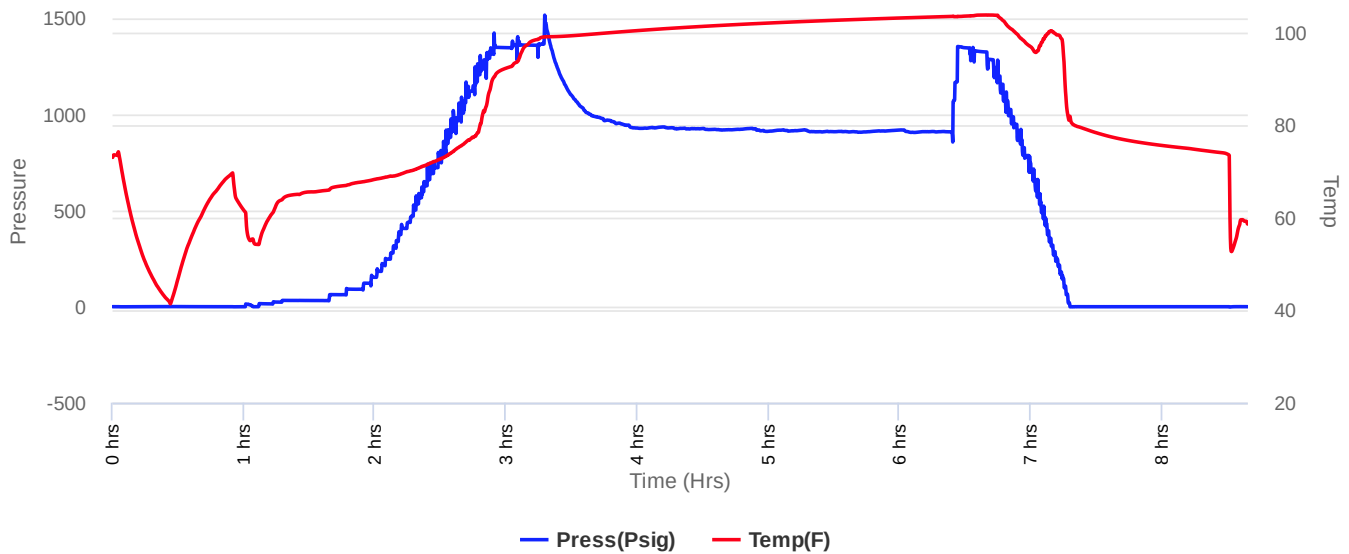
Diesel in Bucket

- 1st Open: Weak, surface blow.
- 1st Close: No blow back.
- 2nd Open: No blow.
- 2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas .05% Oil 0% Water 99.95% Mud

Below Straddle Recorder



MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Harms A2-26
API: 15-015-24185-00-00
Location: 921' FNL, 845' FEL Sec. 26, Twp.25S, R7E
License Number: 35970
Spud Date: 1/07/2023
Surface Coordinates:
Region: Butler County
Drilling Completed: 1/12/2023

Bottom Hole
Coordinates:
Ground Elevation (ft): 1485
Logged Interval (ft): To: 2952
Formation: Viola
Type of Drilling Fluid: Chemical Drispac
K.B. Elevation (ft): 1490
Total Depth (ft): 3100

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

OPERATOR

Company: Satchell Creek Petroleum, LLC
Address: 3032 N Cortina St
Wichita KS 67205



**Company: Satchell Creek
Petroleum, LLC
Lease: Harms #A1-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig (unknown)
Elevation: 1485 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24180

Operation:
Uploading recovery &
pressures

DATE
January
10
2023

DST #1 **Formation: Kansas City** **Test Interval: 2154 - 2193'** **Total Depth: 2810'**
Time On: 17:38 01/10 Time Off: 01:51 01/11
Time On Bottom: 20:25 01/10 Time Off Bottom: 23:40 01/10

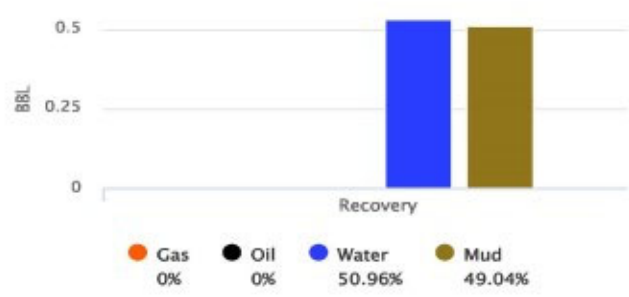
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLS					
35	0.4892986	SLWCM	0	0	10	90
113	0.55596	SLMCW	0	0	87	13

Total Recovered: 148 ft
Total Barrels Recovered: 1.0452586

Reversed Out
NO

Initial Hydrostatic Pressure	1114	PSI
Initial Flow	12 to 60	PSI
Initial Closed in Pressure	734	PSI
Final Flow Pressure	51 to 84	PSI
Final Closed in Pressure	714	PSI
Final Hydrostatic Pressure	1083	PSI
Temperature	95	°F
Pressure Change Initial Close / Final Close	2.7	%

Recovery at a glance



GIP cubic foot volume: 0



**Company: Satchell Creek
Petroleum, LLC
Lease: Harms #A1-26**

SEC: 26 TWN: 25S RNG: 7E
County: BUTLER
State: Kansas
Drilling Contractor: Feature Drilling
LLC - Rig (unknown)
Elevation: 1485 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 623
API #: 15-015-24180

Operation:
Uploading recovery &
pressures

DATE
January
11
2023

DST #2 Formation: Bortle Test Interval: 2750 - 2810' Total Depth: 2810'
Time On: 02:12 01/11 Time Off: 09:42 01/11
Time On Bottom: 04:31 01/11 Time Off Bottom: 07:46 01/11

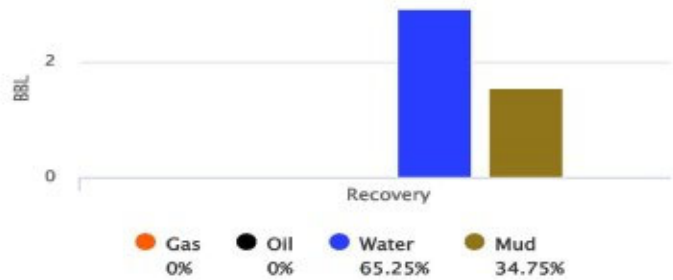
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
25	0.35575	HWCM	0	0	40	60
127	1.80721	HMCW	0	0	60	40
181	2.0455186	MCW	0	0	75	25
57	0.28044	HMCW	0	0	60	40

Total Recovered: 390 ft
Total Barrels Recovered: 4.4889186

Reversed Out
NO

Initial Hydrostatic Pressure	1397	PSI
Initial Flow	52 to 122	PSI
Initial Closed in Pressure	849	PSI
Final Flow Pressure	112 to 192	PSI
Final Closed in Pressure	838	PSI
Final Hydrostatic Pressure	1367	PSI
Temperature	109	*F
Pressure Change Initial Close / Final Close	1.3	%

Recovery at a glance



GIP cubic foot volume: 0



Company: Satchell Creek Petroleum, LLC
Lease: Harms #A1-26

SEC: 26 TWN: 25S RNG: 7E
 County: BUTLER
 State: Kansas
 Drilling Contractor: Feature Drilling LLC - Rig (unknown)
 Elevation: 1485 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 623
 API #: 15-015-24180

Operation:
 Uploading recovery & pressures

DATE
 January
12
 2023

DST #3 **Formation: Bortle** **Test Interval: 2751 - 2789'** **Total Depth: 2948'**

Time On: 00:13 01/12 Time Off: 08:44 01/12
 Time On Bottom: 03:27 01/12 Time Off Bottom: 06:27 01/12

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
5	0.0246	M (trace O)	0	.02	0	99.98

Total Recovered: 5 ft
 Total Barrels Recovered: 0.0246

Reversed Out
 NO

Initial Hydrostatic Pressure	1348	PSI
Initial Flow	12 to 13	PSI
Initial Closed in Pressure	33	PSI
Final Flow Pressure	13 to 19	PSI
Final Closed in Pressure	21	PSI
Final Hydrostatic Pressure	1333	PSI
Temperature	103	°F
Pressure Change Initial Close / Final Close	37.2	%

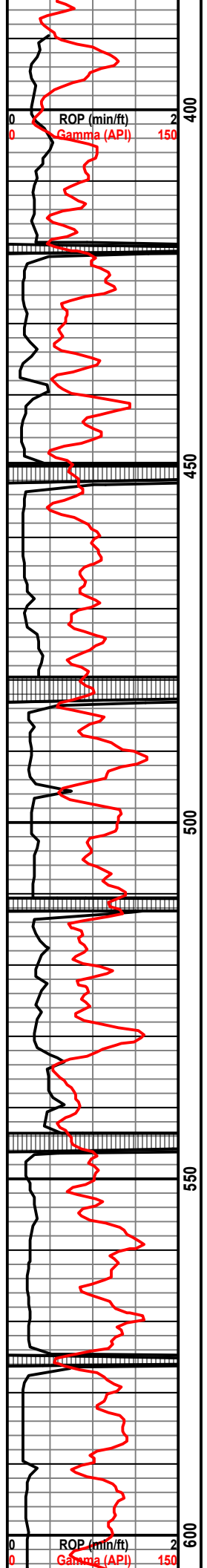
Recovery at a glance



GIP cubic foot volume: 0

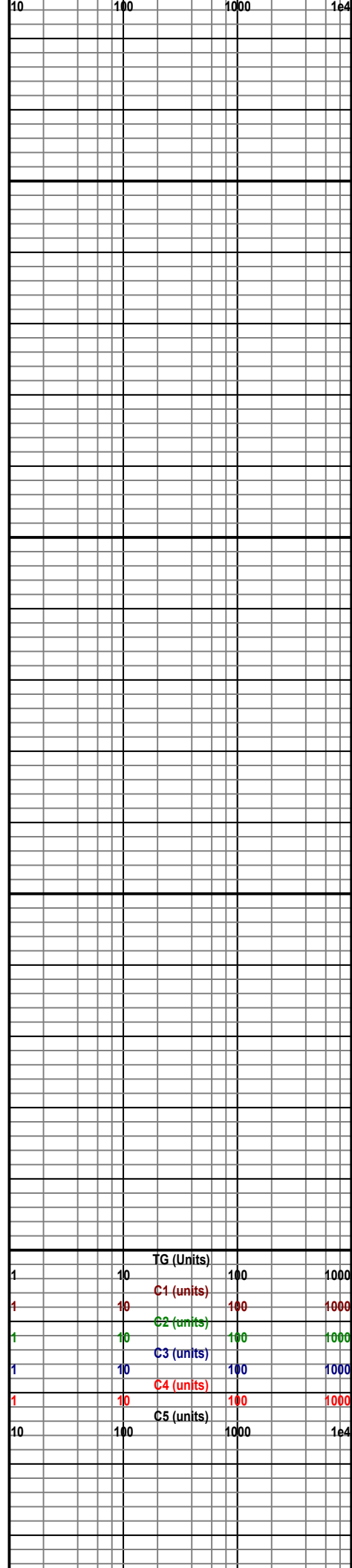
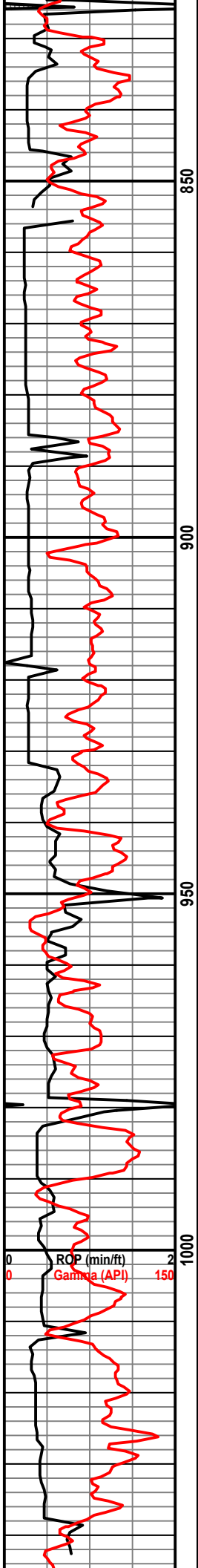
ROCK TYPES

	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

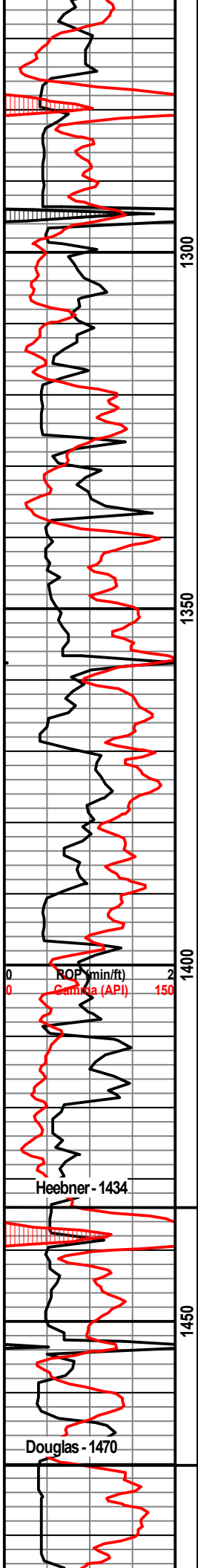


	TG (Units)	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
10	100	1000	1e4

	TG (Units)	100	1000
1	10	100	1000



	TG (Units)		
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
10	100	1000	1e4



1300

1350

1400

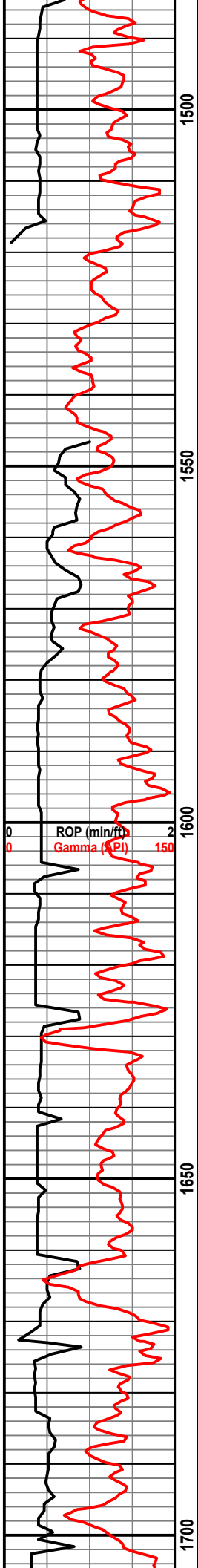
1450

ROP (min/ft)
Gamma (API)

Heebner - 1434

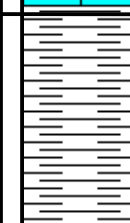
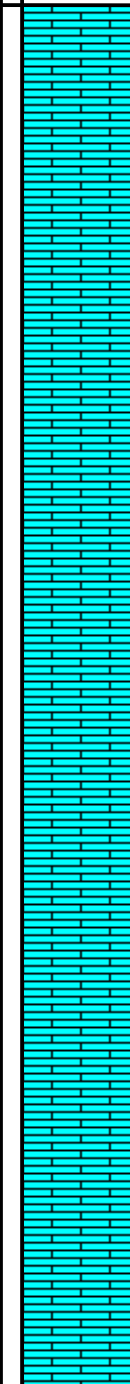
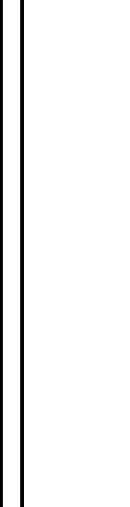
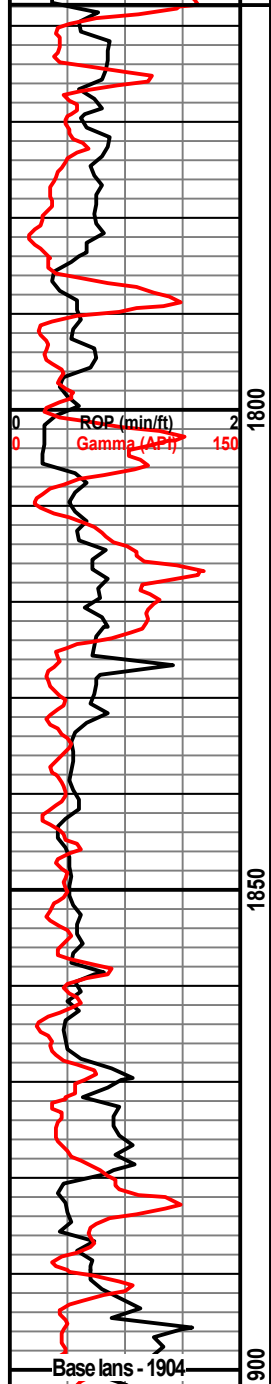
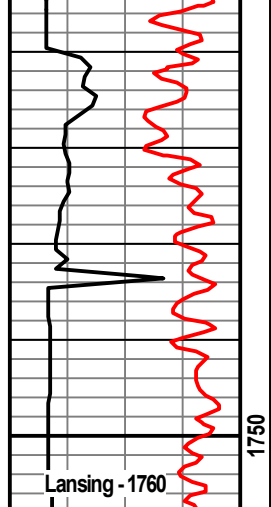
Douglas - 1470

	TG (Units)		
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
10	100	1000	1e4



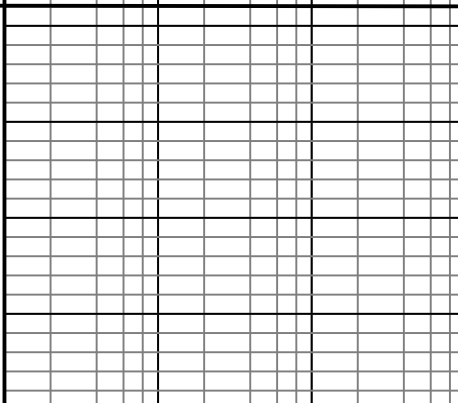
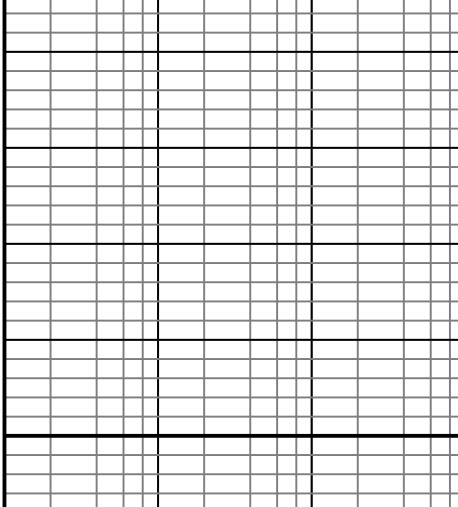
ROP (min/ft)
Gamma (API)

	TG (Units)		
1	10	100	1000
1	10	C1 (units)	100
1	10	C2 (units)	100
1	10	C3 (units)	100
1	10	C4 (units)	100
1	10	C5 (units)	100
10	100		1e4

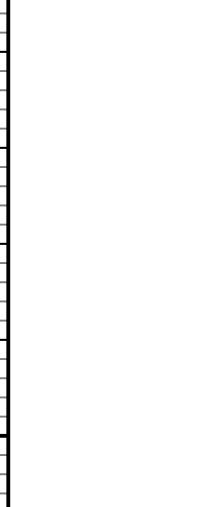
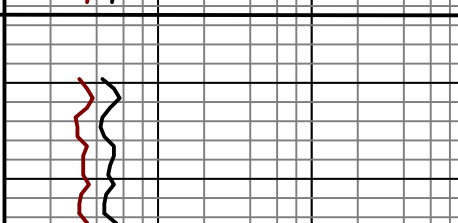
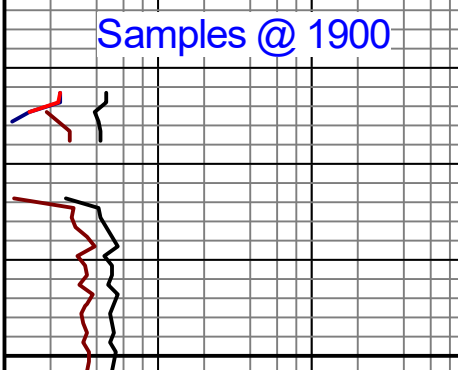
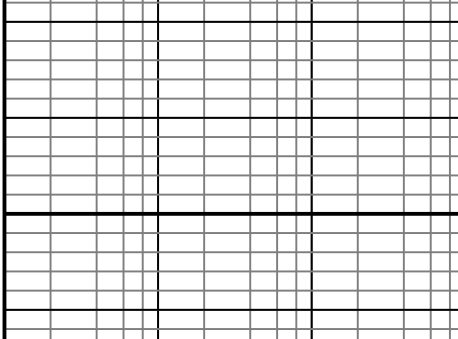


Ls - Br - fXln/ InterXln Por - Scat
Min Strn - N/S N/O

Sh - Gry - Sme interbed Ls -
Blue Tint



	TG (Units)		
1	10	100	1000
1	10	C1 (units)	100
1	10	C2 (units)	100
1	10	C3 (units)	100
1	10	C4 (units)	100
1	10	C5 (units)	100
10	100	1000	1e4

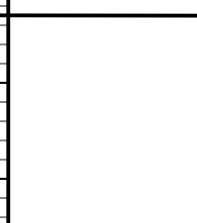


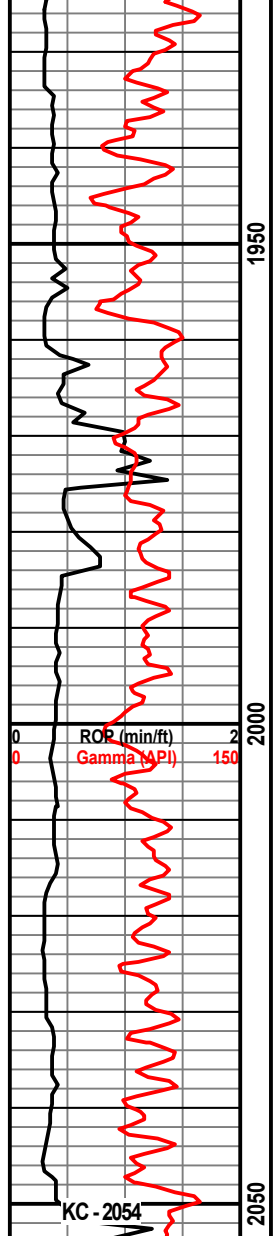
Asked to hook up Gas

Asked to Hook Up Gas

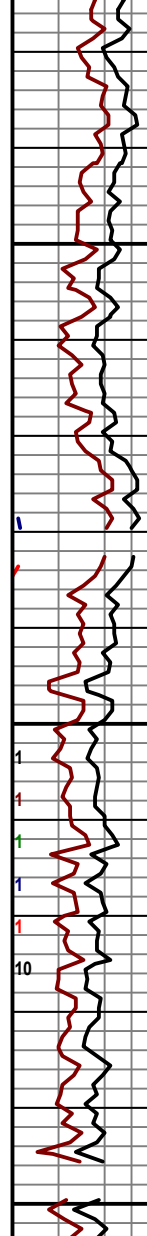
Gas An Working

Finished Mud Displacemnt - rig
Hands refused to do it @ 1200

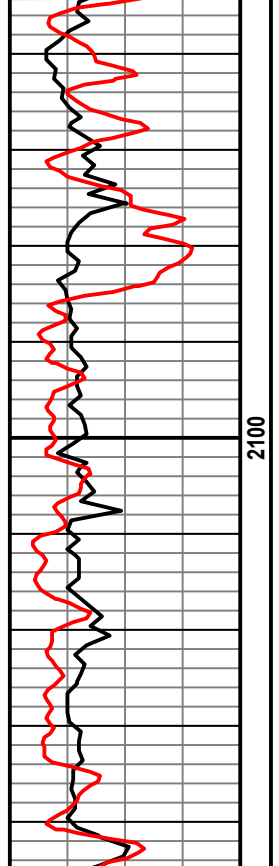




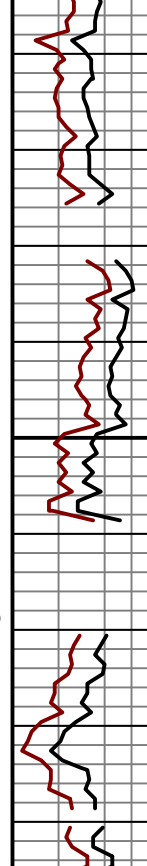
Sh - Gry - Waxy edged & Silty
 Sh - Gry - Silty
 Sh - Gry Silty W/ Waxy Texture
 Sh - Gry - Silty
 Sh - Gry - Silty - Waxy



TG (Units)	C1 (units)	C2 (units)	C3 (units)	C4 (units)	C5 (units)
10	100	100	100	100	1000
1	10	10	10	10	100
1	10	10	10	10	100
1	10	10	10	10	100
1	10	10	10	10	100
10	100	1000	1000	1000	1e4



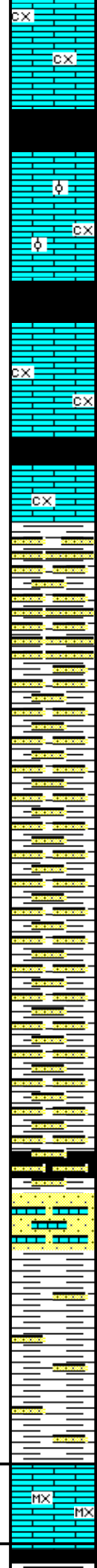
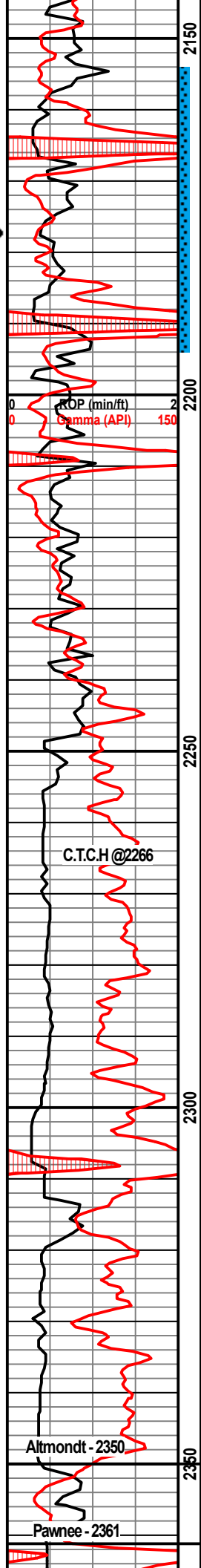
Ch - Gry/wht - Dse - Micro Spic N/S
 Ls - Br - MedXLn - InterXLn Por - Foss - Scat Vuggy Por - N/S N/O
 Ls - Br - MedXLn - InterXLn Por - Decreasing Foss - Less Por
 Ls - Wht - Chalky - No Vis Por
 Ls - Br - MedXLn - Highly Oolit and foss - N/S
 Ls - Wht - MicroXLn - Chalky - No Vis Por
 Ls - Br - MicroXLn - Dse - Scat ReXLn Sparite - N/S



- DST (1) -
 Interval: 2154-2193
 Rec:
 35' SLWCM 10%W, 90%M
 113' SLMCW 87%W, 13%M

IH: 1114
 IF 12-60
 FF: 51-84
 SIP: 734-714

- Mud report -
 Depth: 2100
 Wt: 9.1
 Vis: 48
 Fil: 8.0
 Chl: 5,000
 LCM: 3#



Ls - Br - fXln - InterXln Por - Cream Chalky - No Vis Por

Ls - Wht - fXln - InterXln Por with SLightly Oolitic few scat vugs - Very Slight Light show fo Free oil with heavy oil specks locked up Decent Odr W/ Gas

Ls - Br - InterXln Por - fXln - Sme Sli Staining with Faint Odor - No live oil

Ls - Br - LargeXln ReXln Spar - Foss - Dse N/S

SS - Gry/Blk - Vry F Gm - Ls/Shaly - Por Consol - Sub Rd - Sli Show of residue staining - N/O - No Free Oil

SS - Grey - Vry F Gm - Sub Rd - Well Consol - Shaly -

SS - grey - Vry F Gm - sub rd - well consol - shaly -

SS - Gry - Vry F Gm - Subrd - Well Sort - Shly

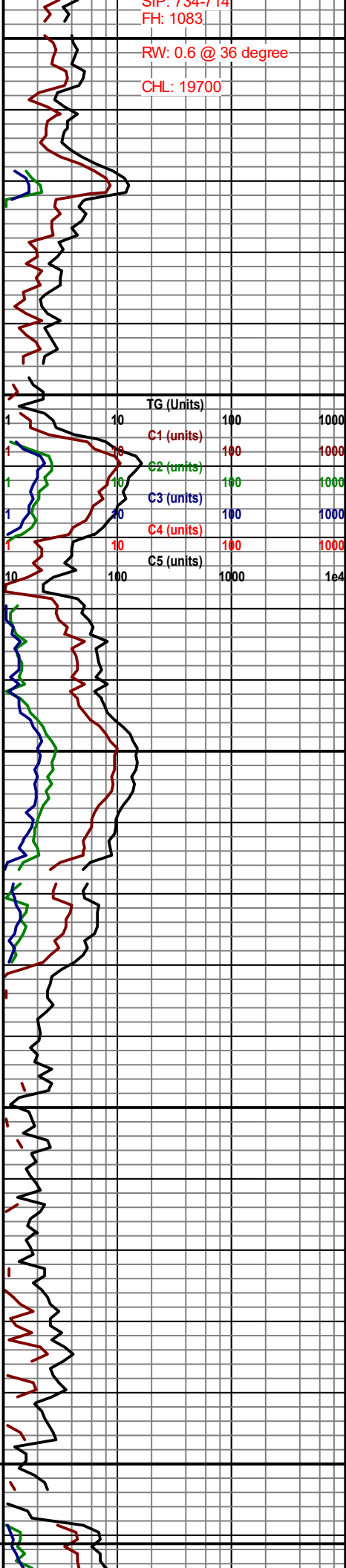
As Above

SS - F gr - Green Tint - Sub rd - Well sort - Well Consol - Calcite Matrix -

Sh - Silty/Sandy - Li Gry - Vry F Gr - Rd -

Sh - Silty/Sandy - Gry-Blk - Micro Gr -

Ls - Cream/Buf - MicroXln - No Vis Por - Dse - N/S



SIP: 734-714
FH: 1083

RW: 0.6 @ 36 degree

CHL: 19700

C.T.C.H @2266

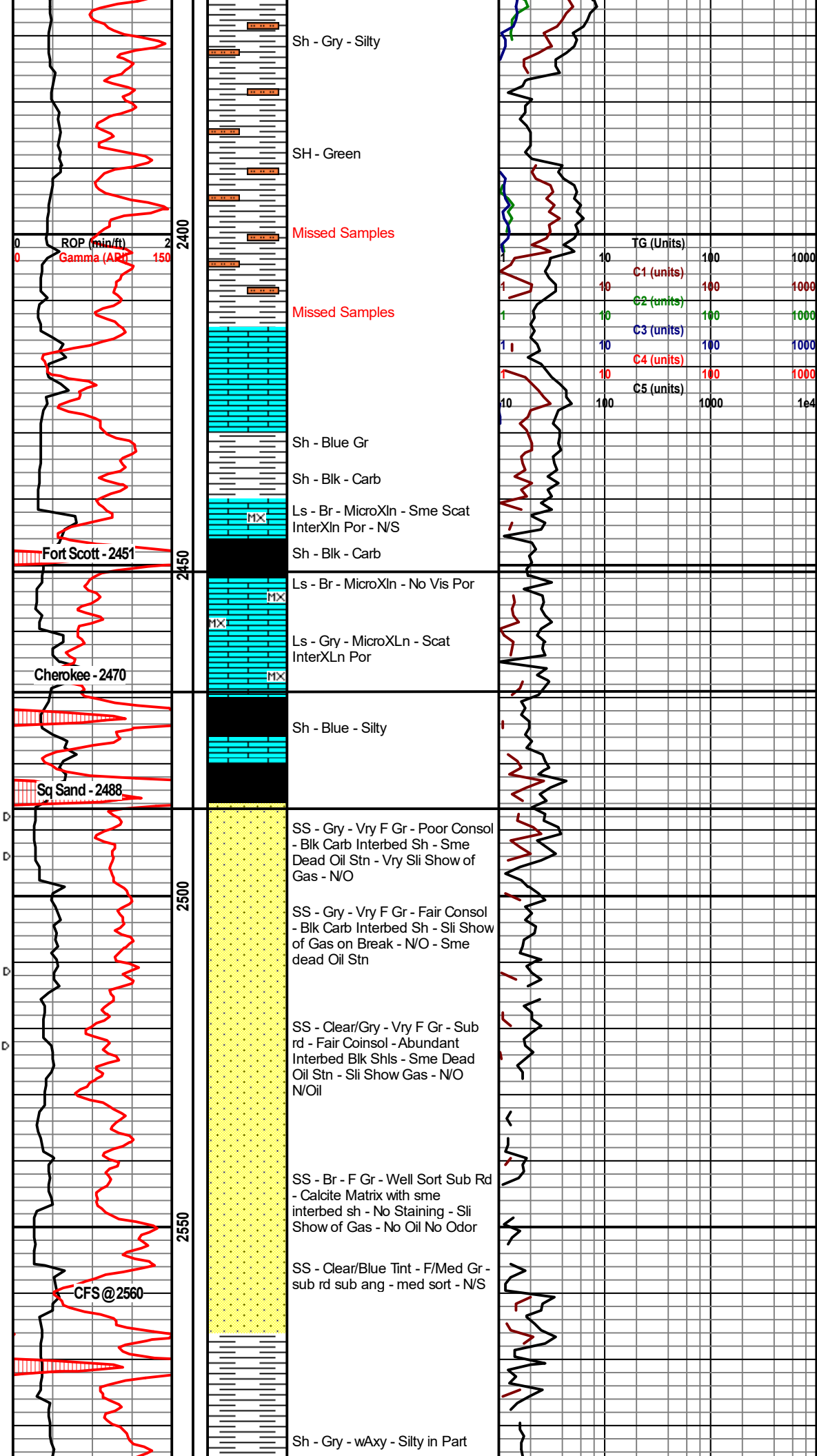
Very Poor Sample Quality

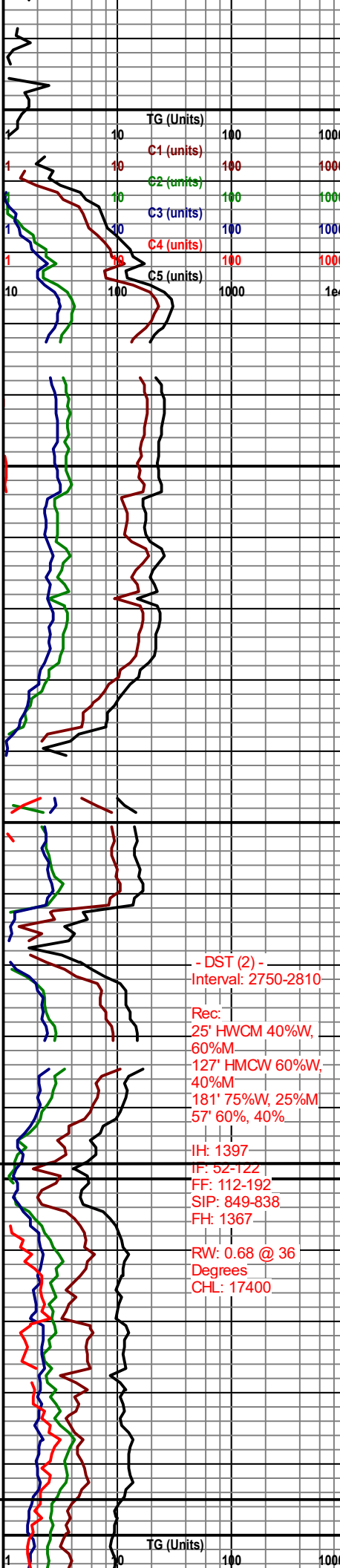
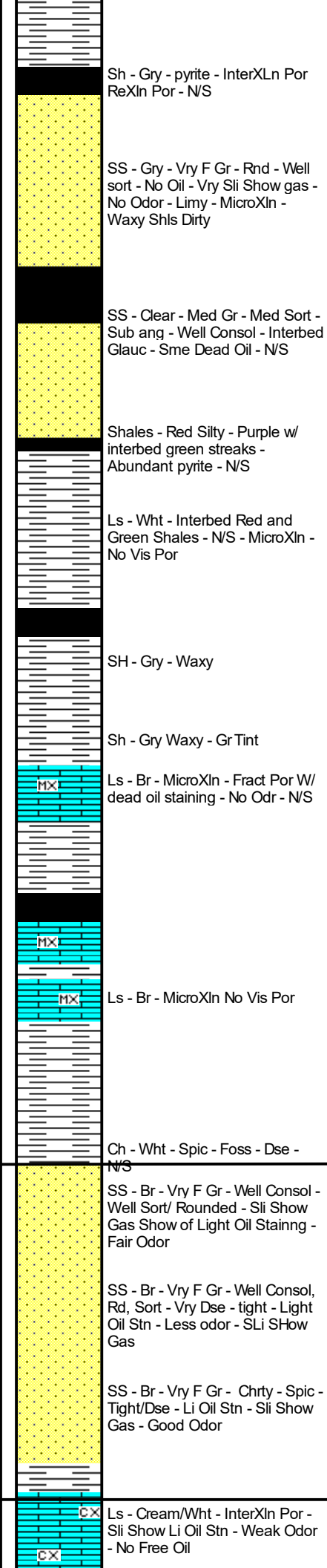
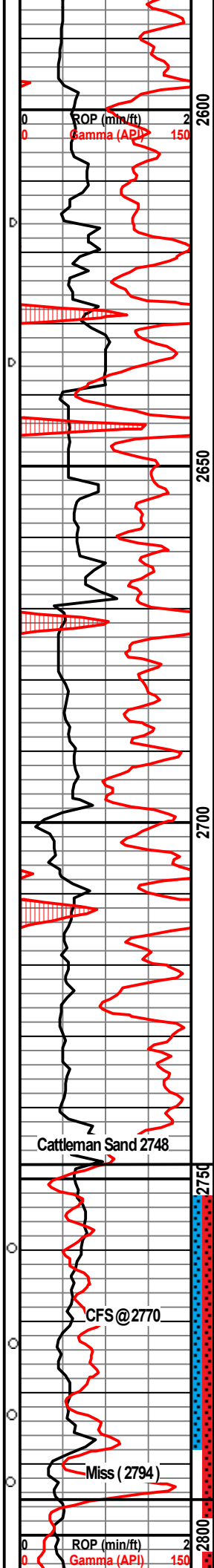
C.T.C.H - Wiper Trip

Very Poor Sample Quality

Almond - 2350

Pawnee - 2361





- DST (2) -
Interval: 2750-2810

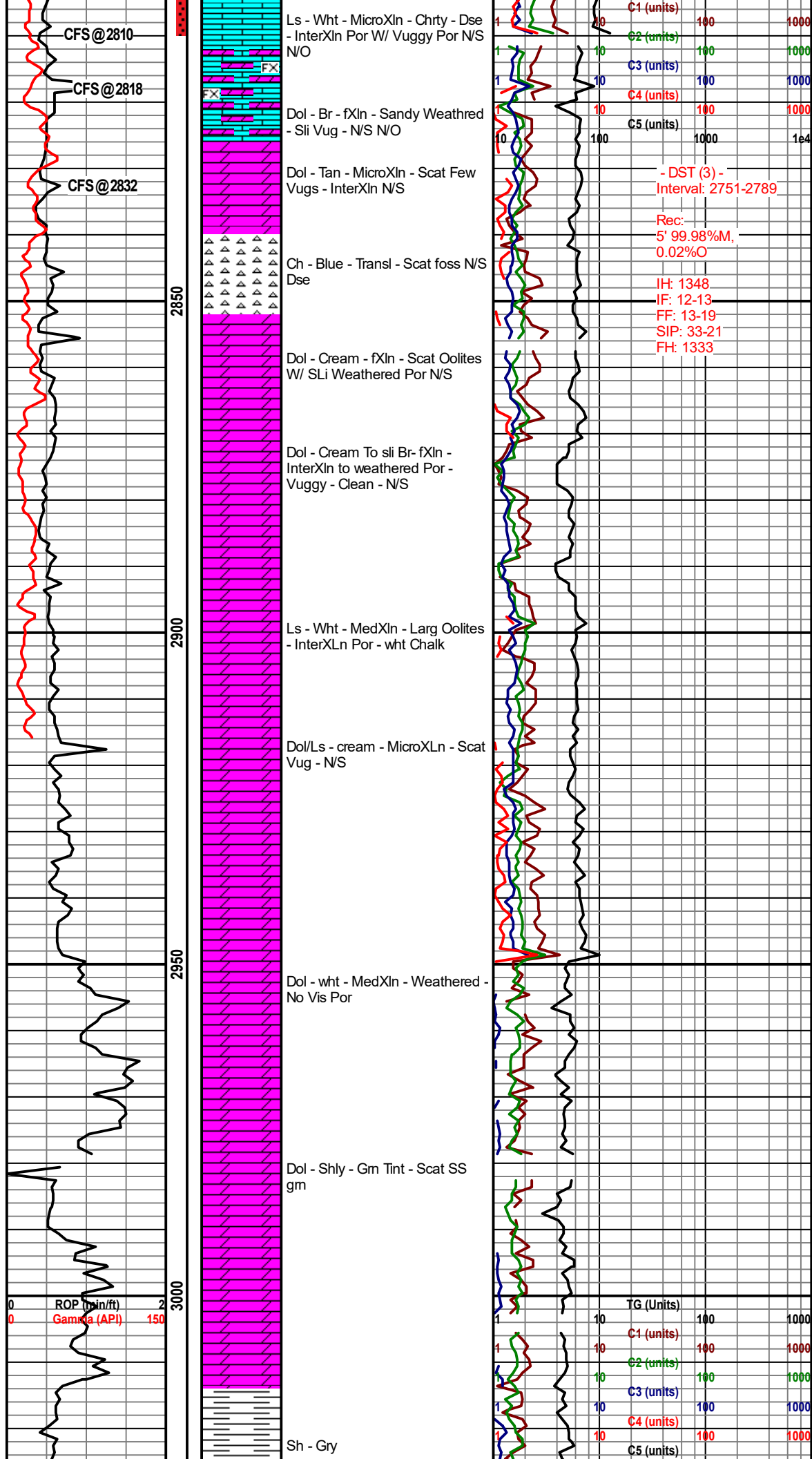
Rec:
25' HWCW 40%W,
60%M
127' HMCW 60%W,
40%M
181' 75%W, 25%M
57' 60%, 40%

IH: 1397
IF: 52-122
FF: 112-192
SIP: 849-838
FH: 1367

RW: 0.68 @ 36
Degrees
CHL: 17400

- Mud report -
Depth: 2780
Wt: 9.3
Vis: 55
Fil: 6.4
Chl: 6,000
LCM: 3.5

- Mud Report -
Depth: 2738
Wt: 9.5
Vis: 40
Fil: 8.0
Cbl: 7,000
Lcm: 3



CFS@2810

CFS@2818

CFS@2832

2850

2900

2950

3000

ROP (in/ft)
Gamma (API)

Ls - Wht - MicroXln - Chrty - Dse
- InterXln Por W/ Vuggy Por N/S
N/O

Dol - Br - fXln - Sandy Weathred
- Sli Vug - N/S N/O

Dol - Tan - MicroXln - Scat Few
Vugs - InterXln N/S

Ch - Blue - Transl - Scat foss N/S
Dse

Dol - Cream - fXln - Scat Oolites
W/ SLi Weathered Por N/S

Dol - Cream To sli Br- fXln -
InterXln to weathered Por -
Vuggy - Clean - N/S

Ls - Wht - MedXln - Larg Oolites
- InterXLn Por - wht Chalk

Dol/Ls - cream - MicroXLn - Scat
Vug - N/S

Dol - wht - MedXln - Weathered -
No Vis Por

Dol - Shly - Gm Tint - Scat SS
gm

Sh - Gry

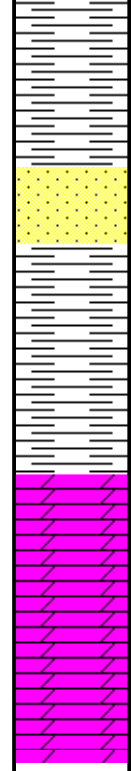
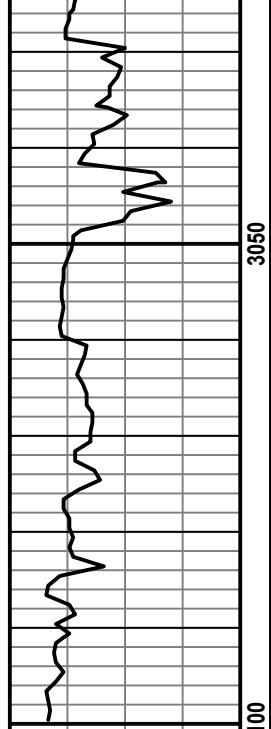
C1 (units) 100 1000
C2 (units) 100 1000
C3 (units) 100 1000
C4 (units) 100 1000
C5 (units) 100 1000

- DST (3) -
Interval: 2751-2789

Rec:
5' 99.98%M,
0.02%O

IH: 1348
IF: 12-13
FF: 13-19
SIP: 33-21
FH: 1333

TG (Units) 100 1000
C1 (units) 100 1000
C2 (units) 100 1000
C3 (units) 100 1000
C4 (units) 100 1000
C5 (units) 100 1000



SS - Br - Vry F Gr - Well Consol -
Well Sort - N/S

Sh - Gry - Green Tint

Viola Dol - Br - Sucro -
Weathered - Chrt Edging - Fair
Odor N/S

3050

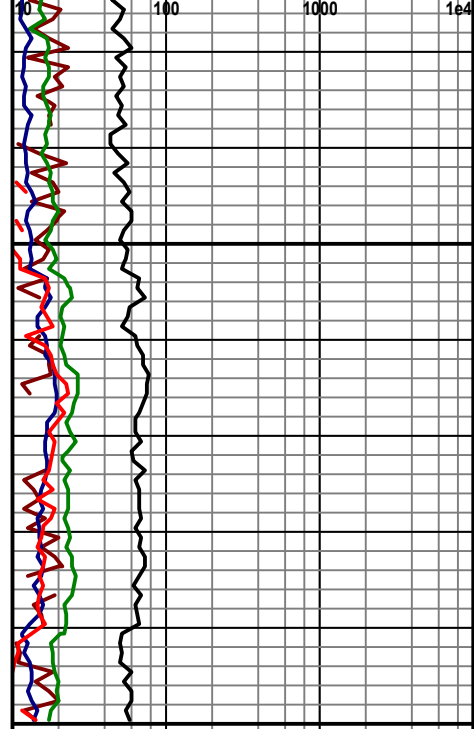
3100

R.T.D. 3100
L.T.D. 2952

3150

3200

ROP (min/ft)
Gamma (API) 150



	TG (Units)	100	1000
1	C1 (units)	100	1000
1	C2 (units)	100	1000
1	C3 (units)	100	1000
1	C4 (units)	100	1000
1	C5 (units)	100	1000
10		100	1e4

ROP (min/ft)
Gamma (API) 150

4600

4650

4700

4750

1	10	TG (Units)	100	1000
1	10	C1 (units)	100	1000
1	10	C2 (units)	100	1000
1	10	C3 (units)	100	1000
1	10	C4 (units)	100	1000
1	10	C5 (units)	100	1000
10	100		1000	1e4

ROP (min/ft)
Gamma (API) 150

4800

4850

4900

4950

5000

	TG (Units)		
1	10	100	1000
		C1 (units)	100
1	10	100	1000
		C2 (units)	100
1	10	100	1000
		C3 (units)	100
1	10	100	1000
		C4 (units)	100
1	10	100	1000
		C5 (units)	100
10	100	1000	1e4