

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) (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	Blue Ridge Petroleum Corporation
Well Name	MESEKE 2-29
Doc ID	1413959

All Electric Logs Run

CDN
DIL
Micro
Sonic

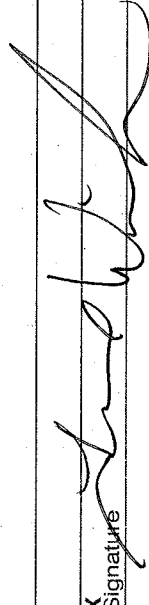
QUALITY OILWELL CEMENTING, INC.

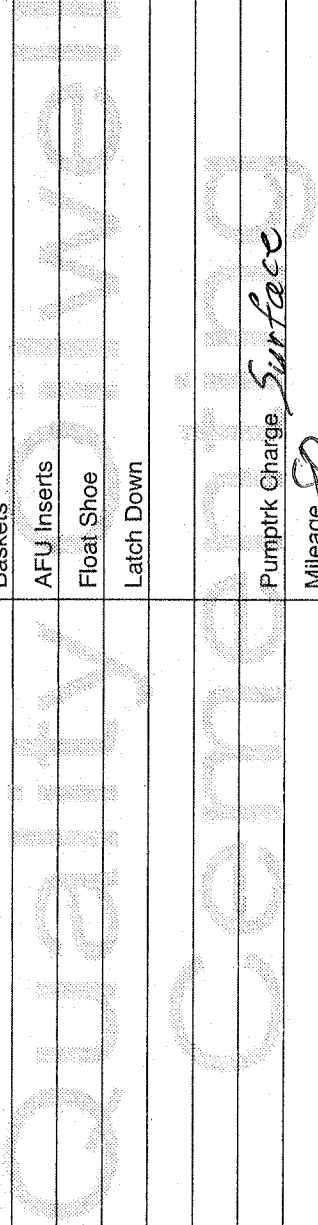
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 789

Date	6-13-18	Sec.	29	Twp.	12	Range	09	County	Wabaunsee	State	KS	On Location		Finish	5:30 PM
Lease	Meseke														
Contractor	Discovery 2														
Type Job	Sulfate														
Hole Size	12 1/4"	T.D.	318'												
Csg.	85/8"	Depth	318'												
Tbg. Size		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint	15'												
Meas Line		Displace	19 Bbls												
EQUIPMENT															
Pumptrk	16	No. Cementer Helper	David												
Bulktrk	01	No. Driver	SOCK												
Bulktrk	p.u.	No. Driver	RICK												
JOB SERVICES & REMARKS															
Remarks:	Cement did Circulate														
Rat Hole															
Mouse Hole															
Centralizers															
Baskets															
DN or Port Collar															
Flowseal															
Kol-Seal															
Mud CLR	48														
CFL-117 or CD110 CAF	38														
Sand															
Handling															
Mileage															
Guide Shoe															
Centralizer															
Baskets															
AFU Inserts															
Float Shoe															
Latch Down															
Pumptrk Charge		Surface													
Mileage		80													
Tax															
Discount															
Total Charge															
X Signature															



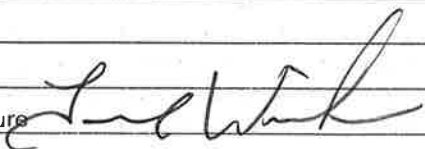
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 791

Date	6-18-18	Sec.	29	Twp.	12	Range	9	County	Wabaunsee	State	Ks	On Location		Finish	9:30 PM
Lease	Meseke	Well No.	2-29	Location	Junction City - E to Exit 313, 75 to Ramsour Rd, 3E 1N, 1/2 E, Follow trail to To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Contractor	Discovery #2	Type Job	Plug	Hole Size	7 7/8"	T.D.	2280'	Charge To	Blue Ridge Petroleum						
Csg.		Depth		Tbg. Size	4 1/2" D.P.	Depth	2280'	Street		City		State			
Tool		Depth		Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line		Displace	H2O/mud	Cement Amount Ordered		225 60/40 4% Gel 1/4# Fo-seal									
EQUIPMENT								Common	135						
Pumptrk	16	No.		Cementer	David	Helper		Poz. Mix	90						
Bulktrk	13	No.		Driver	Doug	Driver		Gel.	8						
Bulktrk	P.U.	No.		Driver	Rick	Driver		Calcium							
JOB SERVICES & REMARKS								Hulls							
Remarks:	2280' - 35 SX							Salt							
Rat Hole	1900' - 35 SX							Flowseal	50 #						
Mouse Hole	1500' - 35 SX							Kol-Seal							
Centralizers	1000' - 35 SX							Mud CLR 48							
Baskets	300' - 35 SX							CFL-117 or CD110 CAF 38							
D/V or Port Collar	60' - 20 SX							Sand							
	Rathole w/ 30 SX							Handling	233						
	Cement did Circulate							Mileage							
								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge	plug						
								Mileage	80						
								Tax							
								Discount							
								Total Charge							
Signature: 															



**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
16
2018

DST #1	Formation: Penn Sand	Test Interval: 1680 - 1820'	Total Depth: 1820'
	Time On: 04:33 06/16	Time Off: 10:05 06/16	
	Time On Bottom: 05:40 06/16	Time Off Bottom: 08:10 06/16	

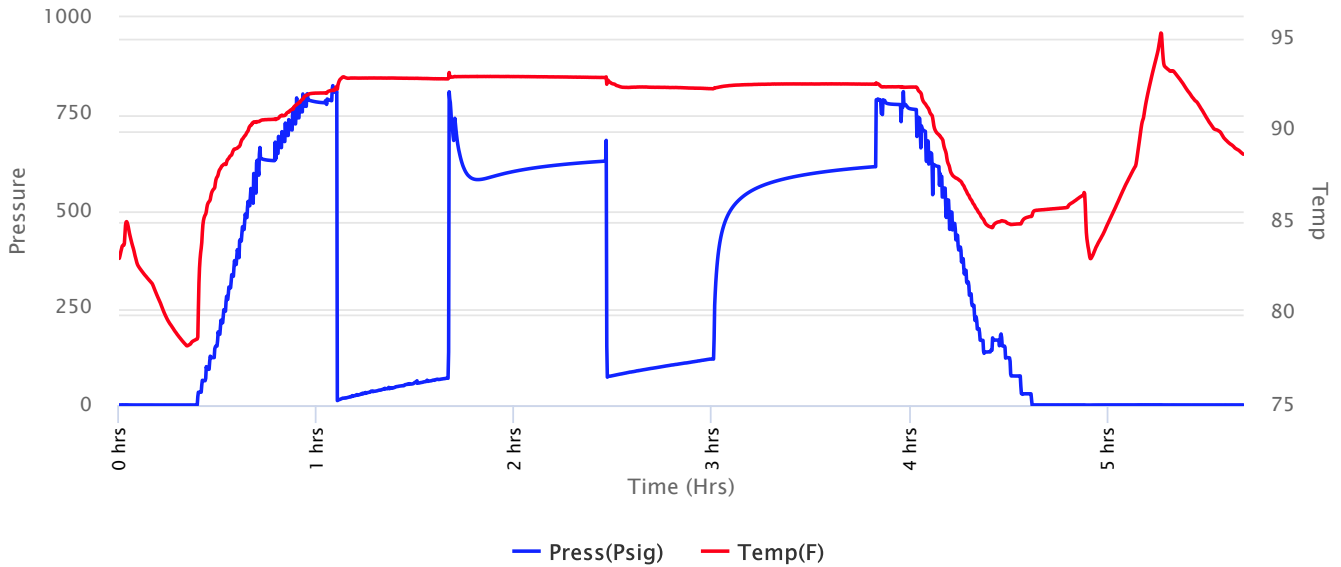
Electronic Volume Estimate:
136'

1st Open
Minutes: 30
18.5" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 30
13.8" at 30 min

2nd Close
Minutes: 45
0" at 45 min





**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
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DATE
June
16
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DST #1 **Formation: Penn Sand** **Test Interval: 1680 - 1820'** **Total Depth: 1820'**
Time On: 04:33 06/16 Time Off: 10:05 06/16
Time On Bottom: 05:40 06/16 Time Off Bottom: 08:10 06/16

Recovered

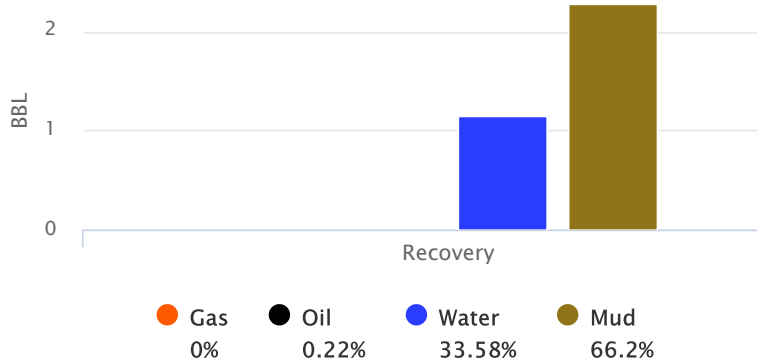
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
53	0.75419	SLOCM	0	1	0	99
189	2.68947	HWCM	0	0	43	57

Total Recovered: 242 ft
Total Barrels Recovered: 3.44366

Reversed Out
NO

Initial Hydrostatic Pressure	780	PSI
Initial Flow	12 to 71	PSI
Initial Closed in Pressure	630	PSI
Final Flow Pressure	75 to 120	PSI
Final Closed in Pressure	615	PSI
Final Hydrostatic Pressure	780	PSI
Temperature	94	°F
Pressure Change Initial Close / Final Close	2.3	%

Recovery at a glance





**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
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DATE June 16 2018
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	Time On: 04:33 06/16	Time Off: 10:05 06/16	
	Time On Bottom: 05:40 06/16	Time Off Bottom: 08:10 06/16	

REMARKS:

- 1O. 3/4" Blow. BOB in 17 mins
- 1C. NOBB
- 2O. 1" Blow. BOB in 24 mins
- 2C. NOBB

Tool Sample: 3% O 42% W 55% M

Ph: 7

RW: .59 @ 96 degrees F

Chlorides: 10,000 ppm



**Company: BlueRidge
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State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
16
2018

DST #1 Formation: Penn Sand Test Interval: 1680 - 1820' Total Depth: 1820'

Time On: 04:33 06/16 Time Off: 10:05 06/16
Time On Bottom: 05:40 06/16 Time Off Bottom: 08:10 06/16

Down Hole Makeup

Heads Up: 6.33 FT	Packer 1: 1675.14 FT
Drill Pipe: 1661.31 FT <i>ID-3 1/2</i>	Packer 2: 1680.14 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 1667.14 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 1811 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 139.86	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 124.36 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 10 FT <i>4 1/2-FH</i>	



**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE June 16 2018
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DST #1	Formation: Penn Sand	Test Interval: 1680 - 1820'	Total Depth: 1820'
	Time On: 04:33 06/16	Time Off: 10:05 06/16	
	Time On Bottom: 05:40 06/16	Time Off Bottom: 08:10 06/16	

Mud Properties

Mud Type: Chem	Weight: 8.8	Viscosity: 48	Filtrate: 8.8	Chlorides: 900 ppm
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**Company: BlueRidge
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Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
16
2018

DST #1 **Formation: Penn Sand** **Test Interval: 1680 - 1820'** **Total Depth: 1820'**

Time On: 04:33 06/16 Time Off: 10:05 06/16
Time On Bottom: 05:40 06/16 Time Off Bottom: 08:10 06/16

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: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
16
2018

DST #2 Formation: Hunton Test Interval: 1831 - 1851' Total Depth: 1851'

Time On: 16:11 06/16 Time Off: 21:16 06/16
Time On Bottom: 17:30 06/16 Time Off Bottom: 18:40 06/16

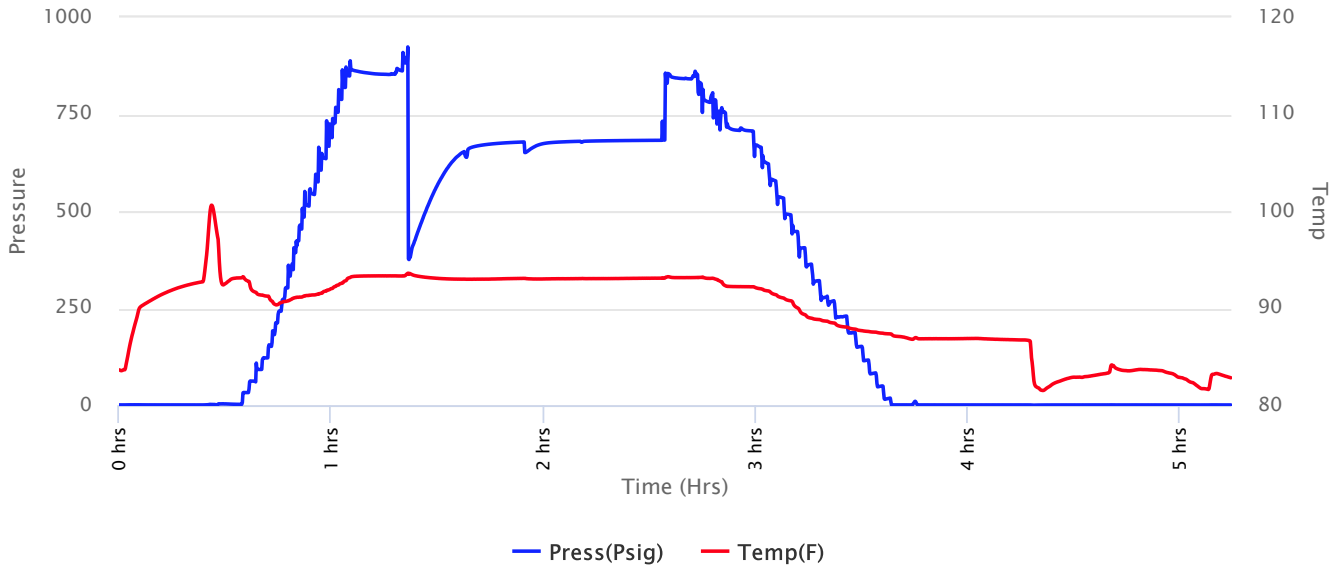
Electronic Volume
Estimate:
1818'

1st Open
Minutes: 15
450" at 15 min

1st Close
Minutes: 15
0" at 15 min

2nd Open
Minutes: 15
94.5" at 15 min

2nd Close
Minutes: 20
0" at 20 min





**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
16
2018

DST #2 **Formation: Hunton** **Test Interval: 1831 - 1851'** **Total Depth: 1851'**
Time On: 16:11 06/16 Time Off: 21:16 06/16
Time On Bottom: 17:30 06/16 Time Off Bottom: 18:40 06/16

Recovered

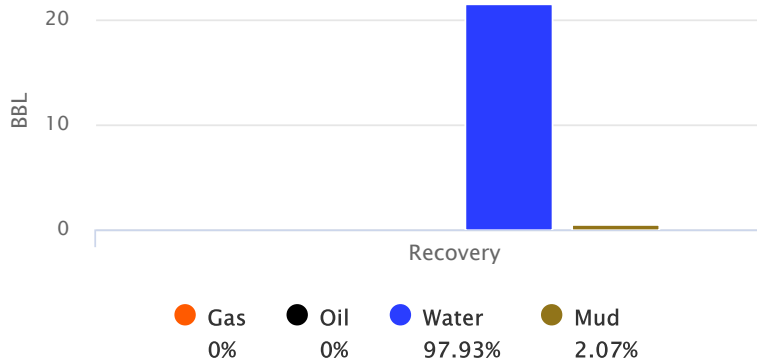
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
160	2.2768	MCW	0	0	80	20
1386	19.72278	W	0	0	100	0

Total Recovered: 1546 ft
Total Barrels Recovered: 21.99958

Reversed Out
NO

Initial Hydrostatic Pressure	853	PSI
Initial Flow	376 to 655	PSI
Initial Closed in Pressure	679	PSI
Final Flow Pressure	652 to 681	PSI
Final Closed in Pressure	684	PSI
Final Hydrostatic Pressure	854	PSI
Temperature	94	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

<p>DATE June 16 2018</p>
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DST #2 Formation: Hunton Test Interval: 1831 - Total Depth: 1851'
1851'

Time On: 16:11 06/16 Time Off: 21:16 06/16
Time On Bottom: 17:30 06/16 Time Off Bottom: 18:40 06/16

REMARKS:

10. 4" Blow. BOB in 30 secs
1C. NOBB
20. 6" Blow. BOB in 10 secs
2C. NOBB

Tool Sample: 100% W

Ph: 7

RW: 1 @ 83 degrees F

Chlorides: 500 ppm



**Company: BlueRidge
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Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
16
2018

DST #2 Formation: Hunton Test Interval: 1831 - 1851' Total Depth: 1851'

Time On: 16:11 06/16 Time Off: 21:16 06/16
Time On Bottom: 17:30 06/16 Time Off Bottom: 18:40 06/16

Down Hole Makeup

Heads Up: 12.95 FT	Packer 1: 1825.5 FT
Drill Pipe: 1818.29 FT <i>ID-3 1/2</i>	Packer 2: 1831 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 1817.5 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 1836 FT
Test Tool: 26.66 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 20	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 16 FT <i>4 1/2-FH</i>	



**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE June 16 2018
--

DST #2 Formation: Hunton Test Interval: 1831 - Total Depth: 1851'
1851'

Time On: 16:11 06/16 Time Off: 21:16 06/16
Time On Bottom: 17:30 06/16 Time Off Bottom: 18:40 06/16

Mud Properties

Mud Type: Vhem **Weight:** 9 **Viscosity:** 43 **Filtrate:** 8.8 **Chlorides:** 1300 ppm



**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
16
2018

DST #2 **Formation: Hunton** **Test Interval: 1831 - 1851'** **Total Depth: 1851'**

Time On: 16:11 06/16 Time Off: 21:16 06/16
Time On Bottom: 17:30 06/16 Time Off Bottom: 18:40 06/16

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: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

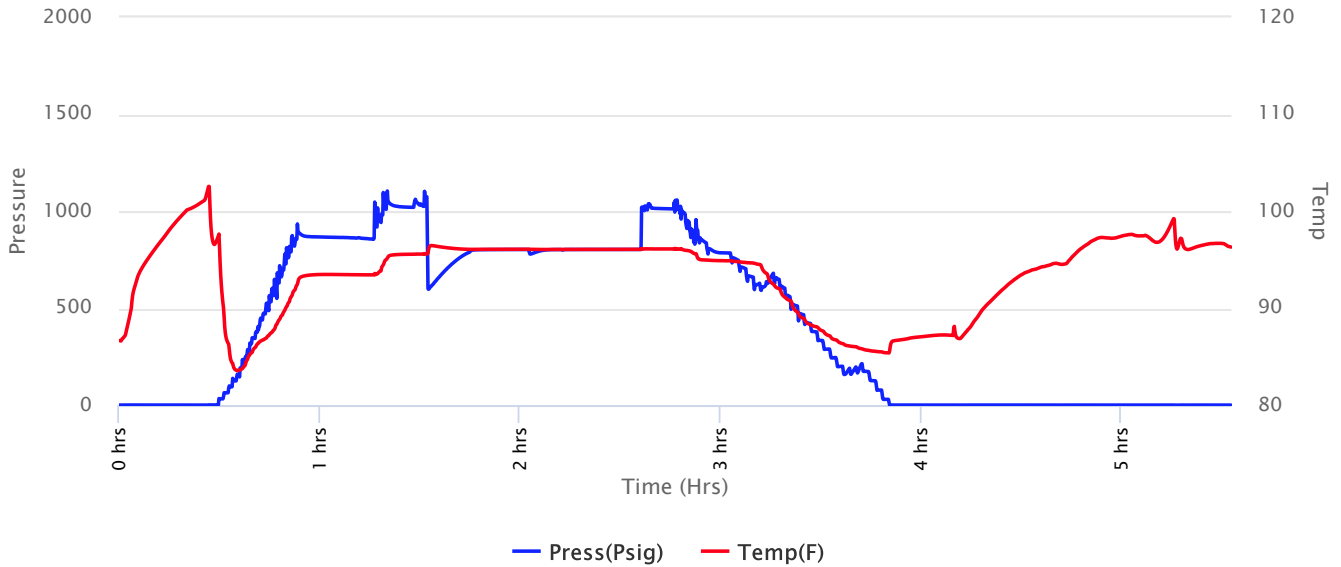
SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
18
2018

DST #3 Formation: Viola Test Interval: 2096 - 2108' Total Depth: 2281'

Time On: 12:13 06/18 Time Off: 17:37 06/18
Time On Bottom: 13:43 06/18 Time Off Bottom: 14:38 06/18

Electronic Volume Estimate: 2099'	<u>1st Open</u> Minutes: 10 450" at 10 min	<u>1st Close</u> Minutes: 15 0" at 15 min	<u>2nd Open</u> Minutes: 10 124" at 10 min	<u>2nd Close</u> Minutes: 20 0" at 20 min
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**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
18
2018

DST #3 **Formation: Viola** **Test Interval: 2096 - 2108'** **Total Depth: 2281'**
Time On: 12:13 06/18 Time Off: 17:37 06/18
Time On Bottom: 13:43 06/18 Time Off Bottom: 14:38 06/18

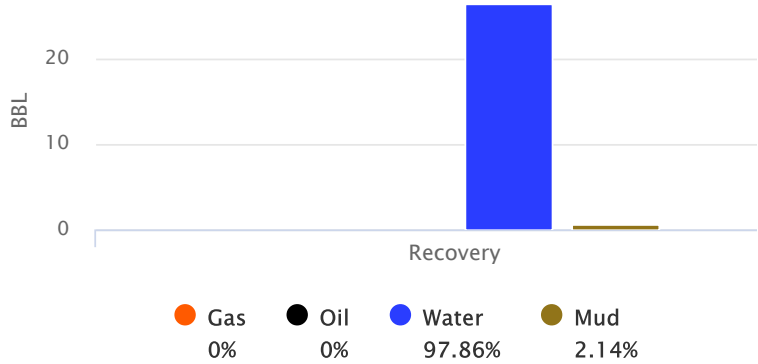
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
135	1.92105	HMCW	0	0	70	30
1760	25.0448	W	0	0	100	0

Total Recovered: 1895 ft
Total Barrels Recovered: 26.96585

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1021	PSI
Initial Flow	602 to 790	PSI
Initial Closed in Pressure	798	PSI
Final Flow Pressure	780 to 803	PSI
Final Closed in Pressure	804	PSI
Final Hydrostatic Pressure	1022	PSI
Temperature	97	°F
Pressure Change Initial Close / Final Close	0.0	%



**Company: BlueRidge
Petroleum Corporation
Lease: Meseke #2-29**

SEC: 29 TWN: 12S RNG: 9E
County: WABAUNSEE
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 1300 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 175

DATE
June
18
2018

DST #3 Formation: Viola Test Interval: 2096 - 2108' Total Depth: 2281'

Time On: 12:13 06/18 Time Off: 17:37 06/18
Time On Bottom: 13:43 06/18 Time Off Bottom: 14:38 06/18

REMARKS:

- 1O. 3" Blow. BOB in 20 secs.
- 1C. NOBB
- 2O. 6" Blow. BOB in 5 secs
- 2C NOBB

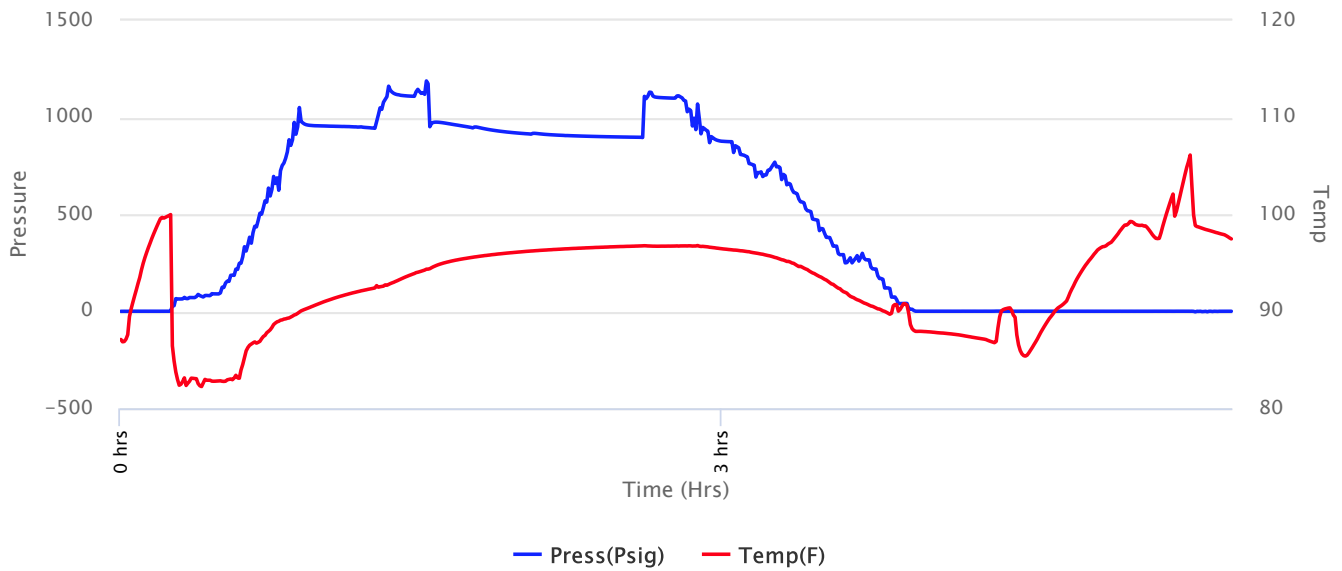
Tool Sample: 100% W

Ph: 7

RW: 1.2 @ 91 degrees F

Chlorides: 500 ppm

Below Straddle Recorder





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Petroleum Corporation
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Down Hole Makeup

Heads Up: 28.29 FT	Packer 1: 2091 FT
Drill Pipe: 2099.13 FT <i>ID-3 1/2</i>	Packer 2: 2096 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Packer 3: 2108 FT
Collars: 0 FT <i>ID-2 1/4</i>	Top Recorder: 2083 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Bottom Recorder: 2109 FT
Total Anchor: 12	Below Straddle Recorder: 2267 FT
	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 11 FT
4 1/2-FH

Change Over: 0 FT

Drill Pipe: (in anchor): 0 FT
ID-3 1/2

Change Over: 0 FT

Perforations: (below): 0 FT
4 1/2-FH

STRADDLE

Straddle Packer(s): 1 FT

Change Over: .5 FT

Drill Pipe: 124.36 FT
ID-3 1/2"

Change Over: 1 FT

Perforations (in tail pipe): 15 FT
4 1/2-FH



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Drilling Contractor: Discovery Drilling
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Time On: 12:13 06/18 Time Off: 17:37 06/18
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Mud Properties

Mud Type: Chem **Weight:** 9.1 **Viscosity:** 44 **Filtrate:** 10 **Chlorides:** 1500 ppm



**Company: BlueRidge
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Gas Volume Report

1st Open

2nd Open

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

Time	Orifice	PSI	MCF/D
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Mudgrove

PETROLEUM CORPORATION
Clafin, Kansas

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Blueridge Petroleum, Corp.

LEASE Meseke #2-29

FIELD Wildcat

LOCATION SW-NE-SE-NE (1758' FNL & 426' FEL)

SEC 29 TWSP 12S RGE 9E

COUNTY Wabaunsee STATE Kansas

ELEVATIONS

KB 1312'

DF _____

GL 1304

Measurements Are All
From KB

CONTRACTOR Discovery Drilling, Inc. (Rig #2)

SPUD 06/12/2018 COMP 06/18/2018

RTD 2280' LTD 2281'

MUD UP 700' TYPE MUD Chemical

CASING

SURFACE 8 5/8" @ 662'

PRODUCTION None

ELECTRICAL SURVEYS

ELI; DIL, MEL,
CDL/CNL

SAMPLES SAVED FROM 950' TO RTD

DRILLING TIME KEPT FROM 800' TO RTD

SAMPLES EXAMINED FROM 950' TO RTD

GEOLOGICAL SUPERVISION FROM 950' TO RTD












GEOLOGIST ON WELL Wyatt Urban

FORMATION TOPS	LOG		SAMPLES	
Heebner	1005	(+307)	RTD	2280(-968)
Toronto	1017	(+295)	LTD	2281(-969)
Douglas	1028	(+284)		
Lansing	1217	(+95)		
Base KC	1534	(-320)		
Cherokee	1669	(-357)		
Hunton	1825	(-513)		

	29	X	



Viola	2093	(-781)			
Simpson Shale	2197	(-885)			
Simpson Sd.	2198	(-886)			

ROCK TYPES

 Dolprim	 Lmst fw<7	 shale, gry	 Shcol
 Dolsec	 Lmst fw7>	 Carbon Sh	 Ss
 sdy lmst	 shale, grn	 shale, red	

ACCESSORIES

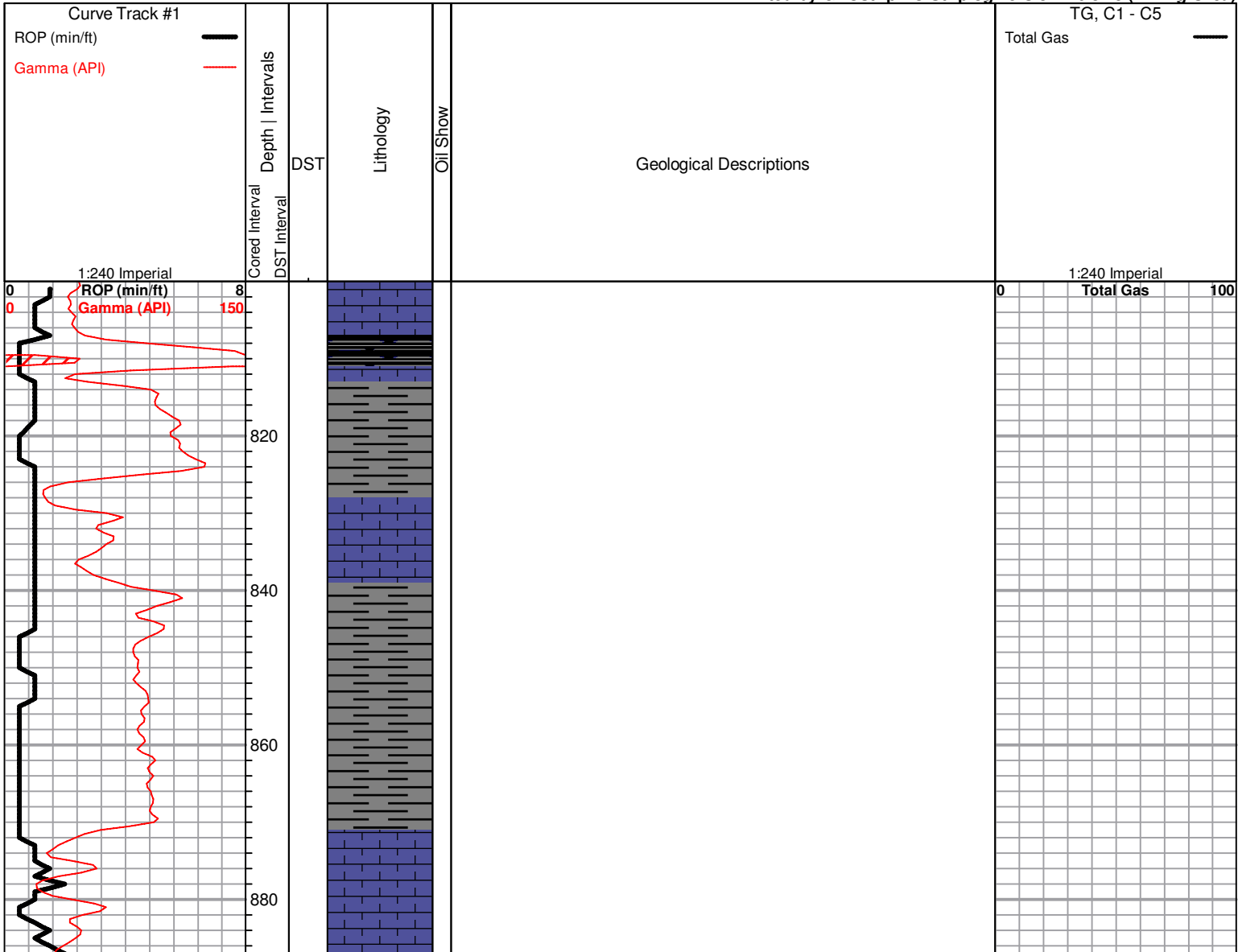
STRINGER

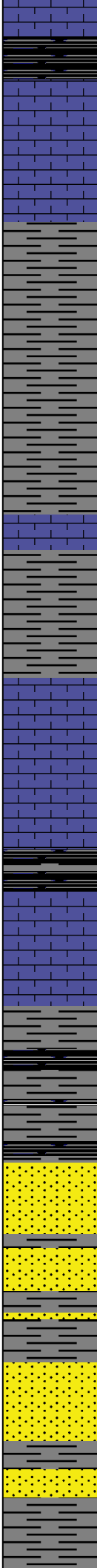
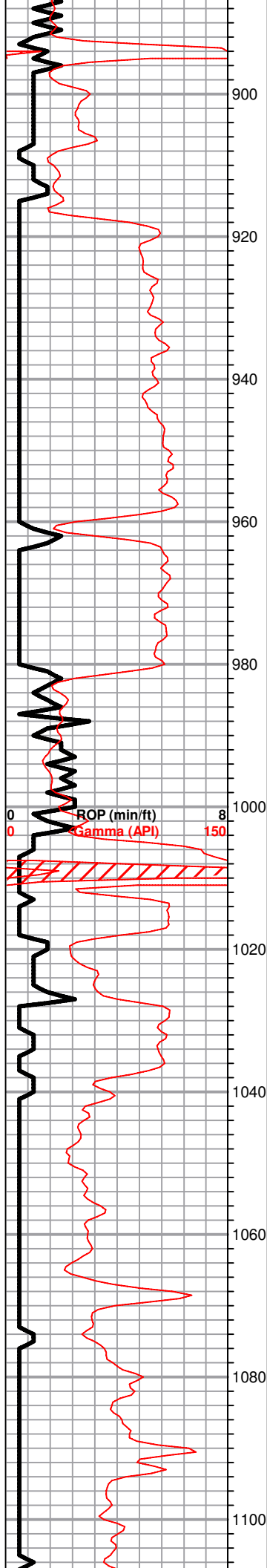
-  Dolomite
-  Sandstone
-  green shale

OTHER SYMBOLS

Oil Show	DST
● Good Show	■ DST Int
● Fair Show	■ DST alt
● Poor Show	■ Core
○ Spotted or Trace	■ tail pipe
○ Questionable Strn	
D Dead Oil Strn	
■ Fluorescence	
* Gas	

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Sh, dk gry, blk, maroon,
tr. LS, white, cream, fxl, few foss, sl. chalky.

LS, tan, brn, fxl, dense

Heebner 1005.0 (307.0)

Sh, gry, silty, blk carb (banded brn shale)
Tr. brn LS. fxl, dense, cherty

LS, cream, white, fxl, few foss, poor vis. porosity,
dense, no shows

Douglas 1028.0 (283.0)

Abd. black / gry, mica, shales

Sh, a/a ,
Tr. Sd. f. grain, mica, no shows, no odor odor

Abd. sh, black carb silty, mica

Sd. gry, white, f- med grain, well sorted

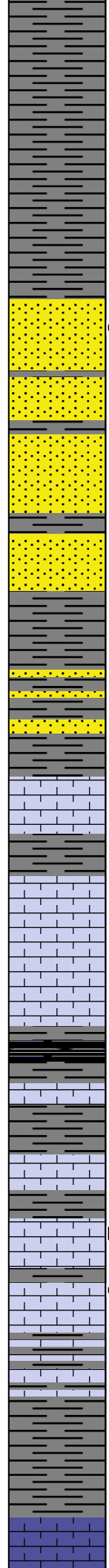
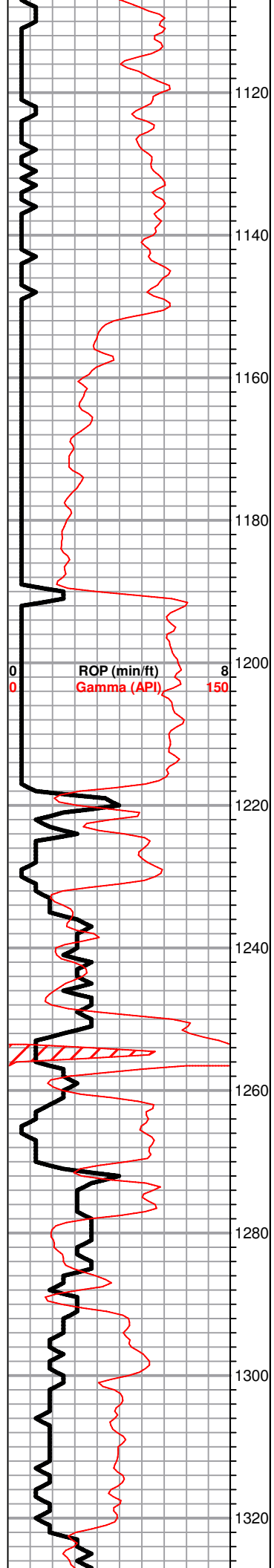
**STARTED SAMPLES
MISSED SAMPLE
ORDER**

POOR SAMPLES

0 Total Gas 100

**POOR SAMPLES, >
90% DK GRY - BLK
SHALES**

LOST CIRC.



Sh, gry silty

Sh, gry, silty, soft, tr. sd. gry, white, tr. blk stain, nsfo, no odor

Sd. gry, f- med grain, few ang. poorly sorted, no shows, tr. pyrite

Sh a/a, tr. sd.

Lansing 1217.0 (94.0)

LS, tan, cream, white, fxl, poor vis porosity, cherty, no shows

LS, cream-off white / pinkish, fxl, few foss, poor vis. porosity, chalky, no shows

Sh, gry, / dk gry, silty, mica

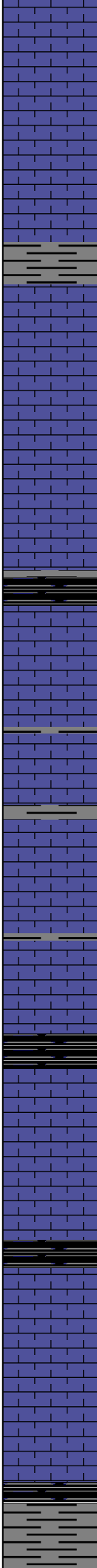
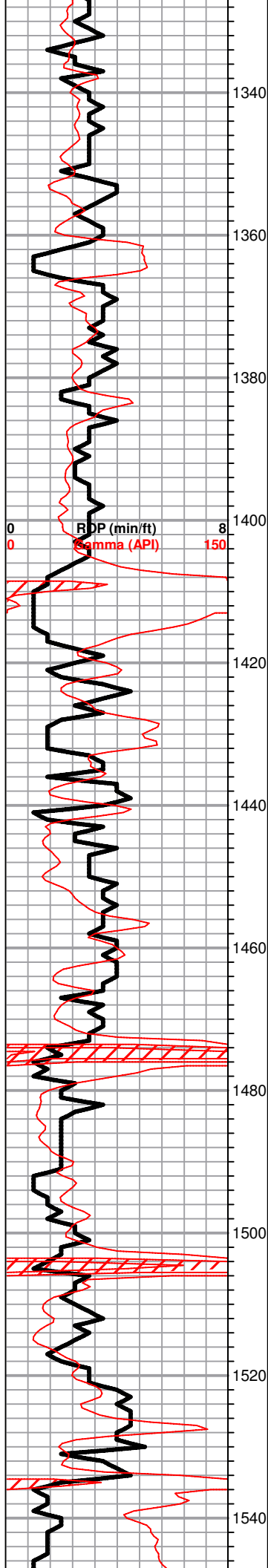
LS, white/ cream, fxl, foss, poor scattered porosity, tr. brn stain (flky), no shows, no odor

LS, tan/ brn, mottled, foss, poor vis. porosity, dense, tr. lt. brn stain, flakey, sfo, no odor

Sh, gry, dk gry, silty

KC 1320.0 (-9.0)

0 Total Gas 100



LS, tan, cream, poor vis. porosity, dense, no shows, tr. gry sh.

LS, tan, buff, foss, poor vis. porosity, tr. lt. brn stain, tr. filky brn, (viscous) lt. sfo, no odor

LS, tan, cream, poor vis. porosity, no shows, tr. gry shale

LS, white, tan, fxl, dense, cherty, poor vis. porosity, no shows

Slug sh, blk gry, tr. pyrite

LS, tan, ool, poorly developed, poor scattered oom porosity, no shows, tr. pyrite

Slug black carb sh.

Abd. sh, gry, silty soft,

LS, cream, tan, fxl, dense, poor vis. porosity, no shows

Stark Sh 1470.0 (-159.0)

Sh, blakc carb

LS, tan, buff, sl. dol. fxl, scattered p.p. porosity, no shows

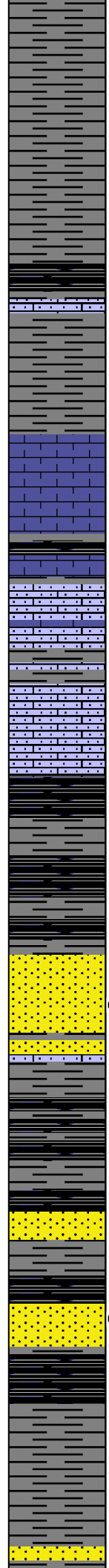
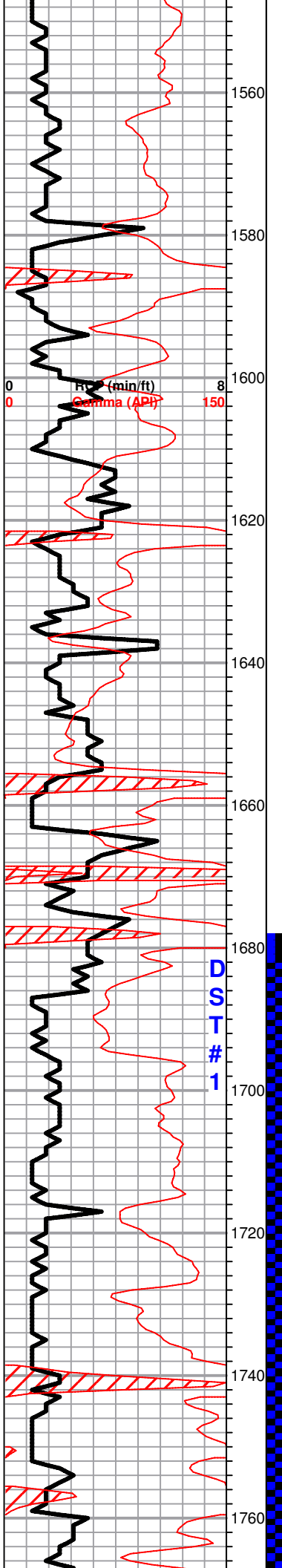
Sh, black carb

LS, tan, crem, few foss, poor vis porosity, chalky, no shows

BKC 1524.0 (-212.0)

sh, gry, brn, coffee brn, (banded) waxey

0 Total Gas 100



Sh, gry, greenish, soft, silty

Sh, gry, brn/coffee brn, waxey

Sh, black carb fissile

Sh, gry, blk/carb, pyrite

LS, white, cream, tr. brn, buff, foss, poor vis. porosity, re-xln qtz clusters

Sh. black carb

LS, tan, micro xln, ool, good inxln porosity, no shows, no odor,

LS, tan, brn a/a,

Cherokee 1669.0 (-357.0)

Sh, black carb

Sd. gry/ greenish, poorly sorted, sub angular, tr. blk flakey stain, nsfo, no odor

Sh, gry, silty, soft tr. sd vfg. . gry, dk gry, mica, no shows

Sd. gry, f-med grain, mica, tr. blk stain, nsfo, no odor

Sh, gry, dk gry, mica, no shows, no odor

0 Total Gas 100

DST#1 1680-1820
30-30-30-30

1st Open:
Building blow :
BOB 17 min

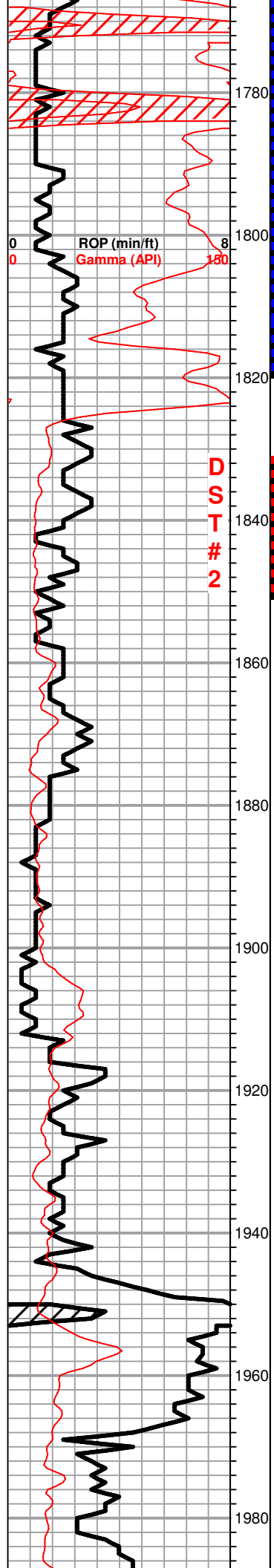
2nd Open:
1" Building blow:
BOB 24 min.s

Recovery:
53' SLOCM
(1%O, 99%M)

189' HWCM
(43%W, 57%M)

Pressures:
ISIP 630 psi
FSIP 615 psi
IFP 12-71 psi
FFP 17-120 psi
HSH 780- 780 psi

Sh, black carb, v.c. purple, green, abundant pyrite



Sh, gry, green, yellow, waxey

Sd, med grain, tan, poorly sorted, sub ang. abd. pyrite, tr. brn stain, dark brn sfo, fair odor

Hunton 1825.0 (-513.0)

Dol. white, gry, fxl, dense, poor scattered p.p. type porosity, poor inxln porosity, tarry black sfo, odor

Dol, white, gry, pr. vuggy scattered porosity, sfo (heavy tarry viscous), odor

Dol. white, fxl, poor scattered vuggy type porosity, tr. blk (heavy) sfo, decrease in odor

Dol. wht cream, fxl, fair scattereed vuggy porosity, few rhombic xln, dns, tr. aqua green dol. sh.

Dol. white, suc. fair scattered vuggy type porosity, nsfo, no odor

Dol. a/ a increase in scattered vuggy porosity, no shows, no odor

Sh, black carb, gry, silty, soft

Dol. gry, suc. gran. good inxln porosity, no shows, few soft/ limey

Dol. white /gry, suc./ sdy, scattered vuggy type

0 Total Gas 100

DST#2 1831-1851
15-15-15-15

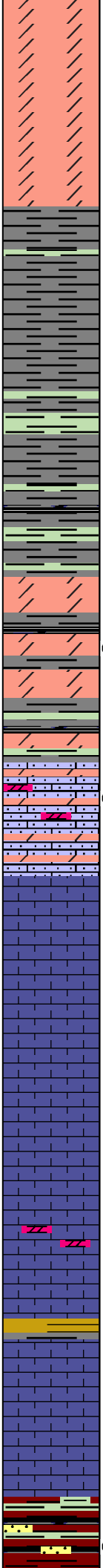
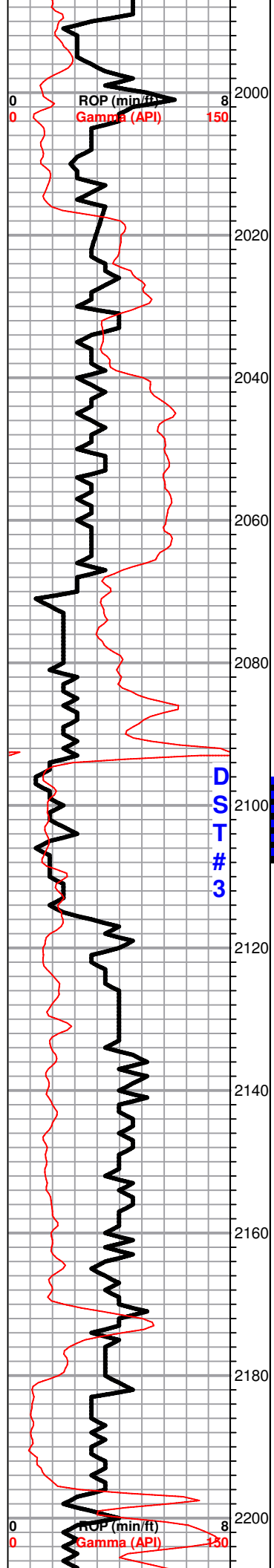
1st Open:
BOB 20 sec.

2nd Open:
BOB 15 sec.

Recovery:
160' MCW
(80%W, 20%M)

1386' Water

Pressures:
ISIP 679 psi
FSIP 684 psi
IFP 376-655 psi
FFP 652-681 psi
HSH 853-854 psi



porosity, no shows, no odor
 Dol. cream, white, scattered vuggy/oom type porosity, dense, nsfo, tr. pyrite

Maquoketa 2017.0 (-705.0)

Sh, aqua green, sdy/dol. tr. gry/ cream, tr. gry/ cream, cherts

Sh, aqua green, lightly dol/ sdy, dolometric.

Sh, a/a, grn , gry,
 Tr. dol. cream-white, mica / limey, med xln , fair vis. porosity, tr. lt. brn stain(discoloration) nsfo, no odor

Viola 2093.0 (-781.0)

LS, tan, gran./dolomitic , scattered vis. porosity, tr. black stain, tr. flakey sfo, no odor

LS, brn/ tan, gran. dense, tr. tan & cream/ boney cherts

LS, tan, brn, fxl, dense, poor vis. porosity, no shows, tr. dol. white, cream, fxl, dense, no shows, no odor

LS, tan, fxl, gran, dense, poor vis. porosity, tr. flky brn stain, nsfo, no odor.

TR. dol. white, cream, fxl, gran, no shows, no odor, tr. pyrite

Sh, dk green, brn mica

LS, tan, fxl, dense, no shows, no odor

Simpson Sh 2198.0 (-886.0)

Sh, gry, maroon, sdy, mica
 tr. sd. gry, f-med grain, well rounded, mica, tr. spty sfo, no odor

0 Total Gas 100

Skim of wk, spty oil on top of crushed samples

DST#3 2096-2108
10-10-10-10

(STRADDLE TEST)

1st Open:
BOB Instant

2nd Open:
BOB instant

Recovery:
136' HMCW
(70%W, 30%M)

1760' Water

Pressures:
ISIP 798 psi
FSIP 804 psi
IFP 602-790 psi
FFP 780-803 psi
HSI 1021-1022 psi

0 Total Gas 100

sfo, no odor

Simpson Sd 2209.0 (-897.0)

Sd, white, gry, few clr, qtz, fine- med grain, well sorted, tr. blk stain, tr. sfo, no odor

Sd. white, clr, qtz, well rounded, med grain
abd. pyrite in sands

Sd, a/a, increase in pyrite

Slug red/ maroon shales (soft/ silty) , tr. white / cherts,
tr. sd. med-lg. grain, poorly sorted

RTD 2280.0 (-968.0)

LTD 2281.0 (-969.0)

2220
2240
2260
2280

