

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	Blue Ridge Petroleum Corporation
Well Name	PARKERSON 1-11
Doc ID	1415194

All Electric Logs Run

CDN
Micro
DIL
Sonic

Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	PARKERSON 1-11
Doc ID	1415194

Tops

Name	Top	Datum
Heebner	1192	+300
Toronto	1201	+291
Douglas Sh	1218	+274
Lansing	1408	+84
BKC	1713	-221
Hunton	1898	-406
Marquota Sh	1935	-443
Viola	2015	-523
Simpson	2130	-638
Arbuckle	2206	-714
RTD	2301	-809



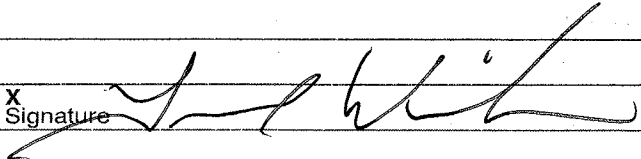
# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 797

Date	6-23-18	Sec.	11	Twp.	14	Range	8	County	Wabaunsee	State	KS	On Location		Finish	9:30AM		
Location														Exit 313, 145, E15			
Lease	Parkerson			Well No.	1-11			Owner									
Contractor	Discovery #2			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.					
Type Job	Surface			Charge To								Blue Ridge Petroleum					
Hole Size	12 1/4"			T.D.	307'			Street									
Csg.	8 5/8"			Depth	307'			City								State	
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Tool				Depth				Cement Amount Ordered								180 3/20 3%cc 2%6el	
Cement Left in Csg.				Shoe Joint	15'			Meas Line								Displace 18 1/2 BLS	
<b>EQUIPMENT</b>														Common		<del>180</del> 144	
Pumptrk	16	No.		Cementer	David			Poz. Mix		36							
				Helper				Gel.		3							
Bulktrk	21	No.		Driver	Doug			Calcium		86							
				Driver				Hulls									
Bulktrk	p.u.	No.		Driver	Rick			Salt									
				Driver				Flowseal									
<b>JOB SERVICES &amp; REMARKS</b>														Mileage		<del>90</del> 189	
Remarks:	Cement did			Circulate			FLOAT EQUIPMENT										
Rat Hole							Guide Shoe										
Mouse Hole							Centralizer										
Centralizers							Baskets										
Baskets							AFU Inserts										
D/V or Port Collar							Float Shoe										
							Latch Down										
							Pumptrk Charge								Surface		
							Mileage								80		
<b>Signature</b>														Tax			
														Discount			
<b>Total Charge</b>																	

# 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. 491

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-28-18	11	14	8	Wabaunsee	KS		3:30 AM

Location Exit 313 145

Lease Parkerson Well No. 1-11 Owner

Contractor Discovery #2  
Type Job Production string  
Hole Size 7 7/8 T.D. 2300'  
Csg. 5 1/2 Depth 2300'  
Tbg. Size \_\_\_\_\_ Depth \_\_\_\_\_  
Tool \_\_\_\_\_ Depth \_\_\_\_\_

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.

Charge To Blue Ridge petroleum

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. \_\_\_\_\_ Shoe Joint 42.13 Cement Amount Ordered 150 com 10% salt

Meas Line \_\_\_\_\_ Displace 53 3/4 bbl \_\_\_\_\_ 5% Wilsonite

**EQUIPMENT**

Pumptrk <u>16</u>	No.	Cementer	Common <u>150</u>
		Helper <u>Brett</u>	
Bulktrk <u>14</u>	No.	Driver	Gel.
		Driver <u>David</u>	
Bulktrk _____	No.	Driver	Hulls
		Driver <u>Doug</u>	

**JOB SERVICES & REMARKS**

Remarks: \_\_\_\_\_  
Rat Hole .30 \_\_\_\_\_  
Mouse Hole ~~\_\_\_\_\_~~ \_\_\_\_\_  
Centralizers \_\_\_\_\_  
Baskets \_\_\_\_\_  
D/V or Port Collar \_\_\_\_\_  
Sand \_\_\_\_\_  
Handling 171 \_\_\_\_\_  
Mileage \_\_\_\_\_

**FLOAT EQUIPMENT**

Guide Shoe \_\_\_\_\_  
Centralizer -10 \_\_\_\_\_  
Baskets -1 \_\_\_\_\_  
AFU Inserts \_\_\_\_\_  
Float Shoe -1 \_\_\_\_\_  
Latch Down -1 \_\_\_\_\_

Ran 2300' 5 1/2" + Est cir  
Plug Rat + ~~\_\_\_\_\_~~  
Mixed ~~\_\_\_\_\_~~ 120 xx  
Displaced 53 3/4 bbl  
Plug held  
  
Lift pressure @ 600 lbs  
Land @ 1400 lbs

Pumptrk Charge \_\_\_\_\_  
Mileage 80 prod string

X  
Signature Dahl

Tax	
Discount	
Total Charge	



**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

<b>DATE</b>
June
<b>25</b>
2018

**DST #1    Formation: HUNTON    Test Interval: 1897 - 1906'    Total Depth: 1906'**

Time On: 21:00 06/25    Time Off: 01:14 06/26  
Time On Bottom: 22:15 06/25    Time Off Bottom: 23:15 06/25

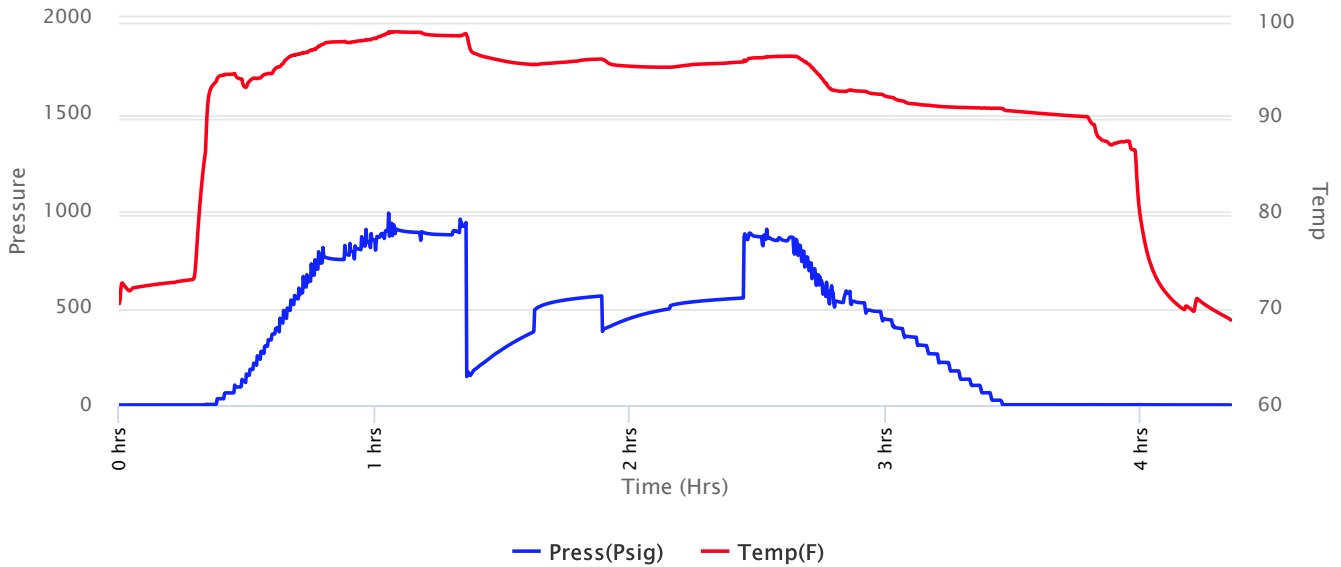
Electronic Volume  
Estimate:  
1297'

1st Open  
Minutes: 15  
203" at 15 min

1st Close  
Minutes: 15  
0" at 15 min

2nd Open  
Minutes: 15  
133.2" at 15 min

2nd Close  
Minutes: 15  
0" at 15 min







**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

**DATE**  
June  
**25**  
2018

**DST #1**    **Formation: HUNTON**    **Test Interval: 1897 - 1906'**    **Total Depth: 1906'**

Time On: 21:00 06/25    Time Off: 01:14 06/26  
Time On Bottom: 22:15 06/25    Time Off Bottom: 23:15 06/25

Recovered

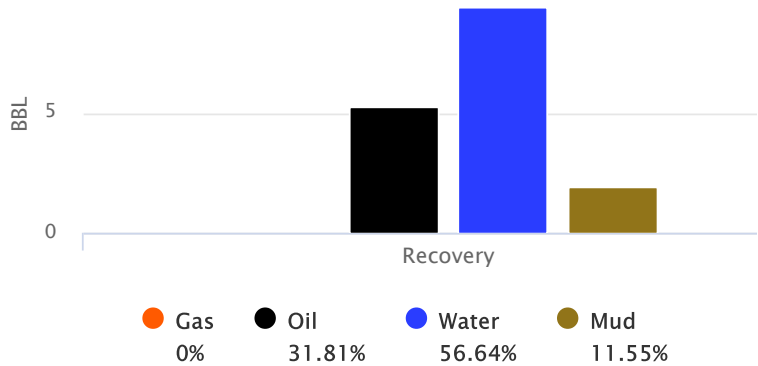
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
597	8.49531	MCHWCO	0	50	30	20
253	3.60019	SLMCOCW	0	26	68	6
315	4.48245	SLOCW	0	2	98	0

Total Recovered: 1165 ft  
Total Barrels Recovered: 16.57795

Reversed Out  
NO

Initial Hydrostatic Pressure	897	PSI
Initial Flow	148 to 383	PSI
<b>Initial Closed in Pressure</b>	<b>564</b>	<b>PSI</b>
Final Flow Pressure	381 to 499	PSI
<b>Final Closed in Pressure</b>	<b>554</b>	<b>PSI</b>
Final Hydrostatic Pressure	878	PSI
Temperature	97	°F
Pressure Change Initial Close / Final Close	1.8	%

**Recovery at a glance**







**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

<b>DATE</b>
June
<b>25</b>
2018

**DST #1      Formation: HUNTON      Test Interval: 1897 -      Total Depth: 1906'**  
**1906'**

Time On: 21:00 06/25      Time Off: 01:14 06/26  
Time On Bottom: 22:15 06/25      Time Off Bottom: 23:15 06/25

**Down Hole Makeup**

<b>Heads Up:</b> 7.65 FT	<b>Packer 1:</b> 1891.5 FT
<b>Drill Pipe:</b> 1878.99 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 1897 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 1883.5 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 1899 FT
<b>Test Tool:</b> 26.66 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 9	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 8 FT <i>4 1/2-FH</i>	



**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

<p><b>DATE</b> June <b>25</b> 2018</p>
----------------------------------------------------

**DST #1      Formation: HUNTON      Test Interval: 1897 -      Total Depth: 1906'**  
**1906'**

Time On: 21:00 06/25      Time Off: 01:14 06/26  
Time On Bottom: 22:15 06/25      Time Off Bottom: 23:15 06/25

**Mud Properties**

**Mud Type:** CHEMICAL    **Weight:** 9.1      **Viscosity:** 47      **Filtrate:** 7.6      **Chlorides:** 1100 ppm





**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

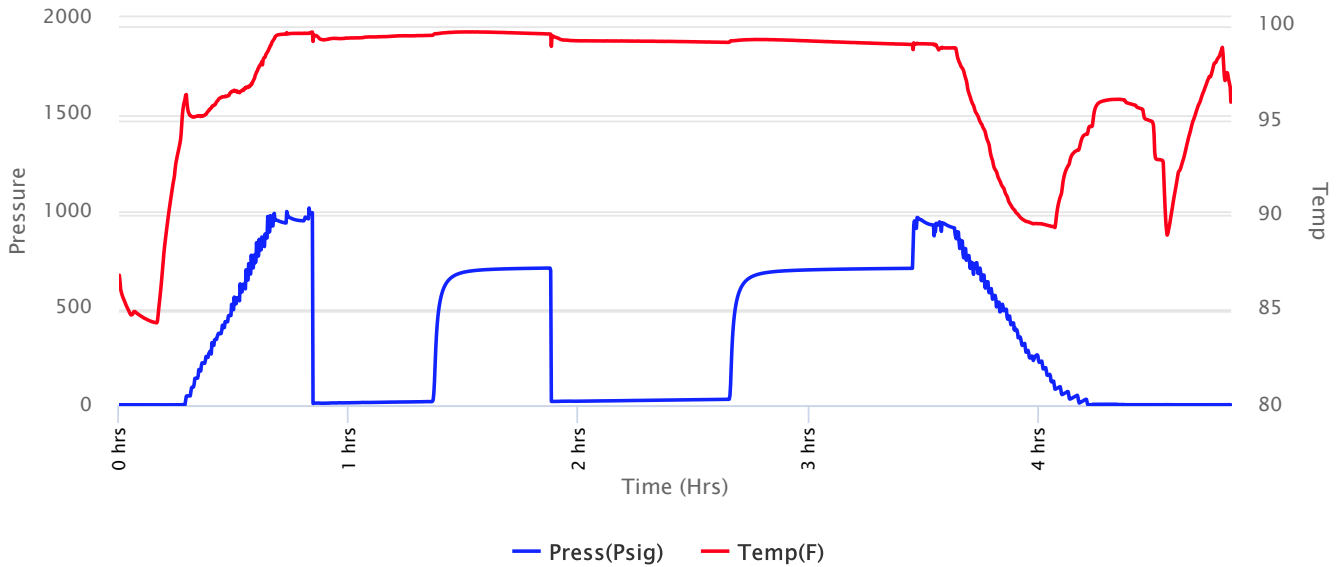
SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

<b>DATE</b>
June
<b>26</b>
2018

**DST #2      Formation: VIOLA      Test Interval: 2008 - 2025'      Total Depth: 2025'**

Time On: 12:45 06/26      Time Off: 17:28 06/26  
Time On Bottom: 13:32 06/26      Time Off Bottom: 16:02 06/26

Electronic Volume Estimate: 20'	<u>1st Open</u> Minutes: 30 2.25" at 30 min	<u>1st Close</u> Minutes: 30 0" at 30 min	<u>2nd Open</u> Minutes: 45 1.6" at 45 min	<u>2nd Close</u> Minutes: 45 0" at 45 min
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**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

**DATE**  
June  
**26**  
2018

**DST #2**      **Formation: VIOLA**      **Test Interval: 2008 - 2025'**      **Total Depth: 2025'**

Time On: 12:45 06/26      Time Off: 17:28 06/26  
Time On Bottom: 13:32 06/26      Time Off Bottom: 16:02 06/26

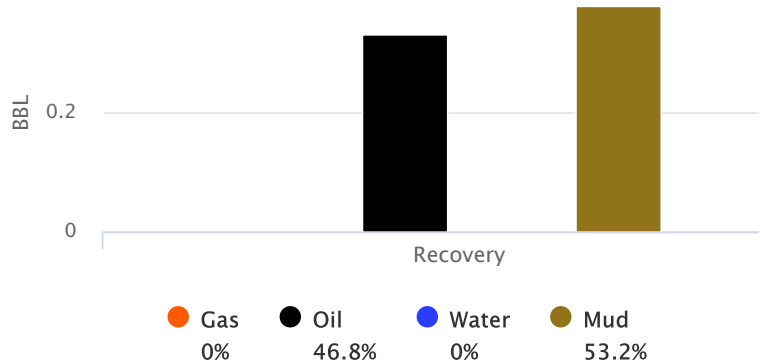
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
15	0.21345	O	0	100	0	0
35	0.49805	OCM	0	24	0	76

Total Recovered: 50 ft  
Total Barrels Recovered: 0.7115

Reversed Out  
NO

**Recovery at a glance**



Initial Hydrostatic Pressure	959	PSI
Initial Flow	10 to 19	PSI
<b>Initial Closed in Pressure</b>	<b>708</b>	<b>PSI</b>
Final Flow Pressure	20 to 32	PSI
<b>Final Closed in Pressure</b>	<b>706</b>	<b>PSI</b>
Final Hydrostatic Pressure	953	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	0.2	%



**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

<b>DATE</b> June <b>26</b> 2018
------------------------------------------

<b>DST #2</b>	<b>Formation: VIOLA</b>	<b>Test Interval: 2008 - 2025'</b>	<b>Total Depth: 2025'</b>
	Time On: 12:45 06/26	Time Off: 17:28 06/26	
	Time On Bottom: 13:32 06/26	Time Off Bottom: 16:02 06/26	

**REMARKS:**

TOOL SAMPLE: 30% OIL 70% MUD

IFP:WSB-INCREASING TO 2 1/4" IN 30 MINUTES

ISIP:NO BLOW BACK

FFP:NO BLOW-INCREASING TO 1 1/2" IN 45 MINUTES

FSIP:NO BLOW BACK

Gravity: 21.6 @ 60 degrees F





**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

<b>DATE</b>
June
<b>26</b>
2018

**DST #2      Formation: VIOLA      Test Interval: 2008 - 2025'      Total Depth: 2025'**

Time On: 12:45 06/26      Time Off: 17:28 06/26  
Time On Bottom: 13:32 06/26      Time Off Bottom: 16:02 06/26

**Down Hole Makeup**

<b>Heads Up:</b> 21.77 FT	<b>Packer 1:</b> 2002.5 FT
<b>Drill Pipe:</b> 2004.11 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 2008 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 1994.5 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 2010 FT
<b>Test Tool:</b> 26.66 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 17	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	
<b>Packer Sub:</b> 1 FT	<b>Bottom Choke:</b> 5/8"
<b>Perforations: (top):</b> FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 16 FT <i>4 1/2-FH</i>	



**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

<b>DATE</b> June <b>26</b> 2018
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**DST #2      Formation: VIOLA      Test Interval: 2008 - 2025'      Total Depth: 2025'**

Time On: 12:45 06/26      Time Off: 17:28 06/26  
Time On Bottom: 13:32 06/26      Time Off Bottom: 16:02 06/26

**Mud Properties**

**Mud Type:** CHEMICAL    **Weight:** 9.0      **Viscosity:** 58      **Filtrate:** 8.8      **Chlorides:** 950 ppm



**Company: BlueRidge  
Petroleum Corporation  
Lease: Parkerson #1-11**

SEC: 11 TWN: 14S RNG: 8E  
County: WABAUNSEE  
State: Kansas  
Drilling Contractor: Discovery Drilling  
Company, Inc. - Rig 2  
Elevation: 1484 GL  
Field Name: Alta Vista East  
Pool: Infield  
Job Number: 176

<b>DATE</b> June <b>26</b> 2018
------------------------------------------

**DST #2**      **Formation: VIOLA**      **Test Interval: 2008 - 2025'**      **Total Depth: 2025'**  
Time On: 12:45 06/26      Time Off: 17:28 06/26  
Time On Bottom: 13:32 06/26      Time Off Bottom: 16:02 06/26

**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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# Mudgrove

**PETROLEUM CORPORATION**  
Clafin, Kansas

## GEOLOGIST'S REPORT

### DRILLING TIME AND SAMPLE LOG

COMPANY Blueridge Petroleum, Corp.

LEASE Parkerson #1-11

FIELD Wildcat

LOCATION SE-SW-NW-NW (1058' FNL & 530' FWL)

SEC 11 TWSP 14S RGE 8E

COUNTY Wabaunsee STATE Kansas

#### ELEVATIONS

KB 1312'

DF \_\_\_\_\_

GL 1304

Measurements Are All From KB

CONTRACTOR Discovery Drilling, Inc. (Rig #2)

SPUD 06/21/2018 COMP 06/27/2018

RTD 2300' LTD 2301'

MUD UP 700' TYPE MUD Chemical

#### CASING

SURFACE 8 5/8" @ 307'

PRODUCTION 5 1/2" @ 2297'

#### ELECTRICAL SURVEYS

ELI; DIL, MEL,  
CDL/CNL, SONIC

SAMPLES SAVED FROM 700' TO RTD

DRILLING TIME KEPT FROM 800' TO RTD

SAMPLES EXAMINED FROM 800' TO RTD

GEOLOGICAL SUPERVISION FROM 1000' TO RTD

GEOLOGIST ON WELL Wyatt Urban

FORMATION TOPS	LOG		<del>SAMPLES</del>	
Heebner	1192	(+300)	RTD	2300 (-808)
Toronto	1201	(+291)	LTD	2301 (-809)
Douglas	1218	(+274)		
Lansing	1408	(+84)		
Base KC	1713	(-221)		
Cherokee	1844	(-352)		
Hunton	1898	(-406)		

X			
		11	

Viola	2015	(-523)			
Simpson	2130	(-638)			
Arbuckle	2206	(-714)			



DRILLING				OIL				OIL				OIL				D&A							
BLUERIDGE PETROLEUM				HELLAR DRILG CO.				KNIGHTON OIL CO.				AMERICAN ENERGIES CORP.				KNIGHTON OIL CO.							
Parkerson 1-11				STICE #1				#1 ROBERTS				STICE 1#-2				#2 ROBERTS							
11-145-8E				11-145-8E				11-145-8E				2-145-8E (C-E2-W2-SW)				11-145-8E (NE-NW-SW)							
KB		1492		GL		1484		KB		1481		KB		1472		KB		1473		KB		1470	
LOG		SAMPLE		LOG		SMPL.		SAMPLE		LOG		SMPL.		LOG		SMPL.		LOG		SMPL.			
FORMATION	DEPTH	S.S	DEPTH	S.S	DEPTH	S.S	DEPTH	CORR	DEPTH	S.S	CORR	CORR	DEPTH	S.S	CORR	CORR	DEPTH	S.S	CORR	CORR			
Oread LS	1071	421	1171	321					1174	298	+ 2	+ 2	1220	253	+ 47	+ 47							
HEEBNER SHALE	1192	300	1192	300	1171	310	- 10	- 10	1174	288	+ 3	+ 0	1232	241	+ 50	+ 47							
TORONTO	1201	291	1204	288					1199	273	+ 1	+ 1	1252	221	+ 53	+ 53							
DOUGLAS	1218	274	1218	274					1396	76	+ 8	+ 9	1403	70	+ 14	+ 15	1484	-14	+ 98	+ 99			
LANSING	1408	84	1407	85	1393	88	- 4	- 3	1700	-228	+ 7	+ 8	1709	-236	+ 15	+ 16	1798	-328	+ 107	+ 108			
BKC	1713	-221	1712	-220	1697	-216	- 5	- 4	1824	-352	+ 0	+ 2	1840	-367	+ 15	+ 17	1942	-472	+ 120	+ 122			
CHEROKEE	1844	-352	1842	-350	1836	-355	+ 3	+ 5	1897	-425	+ 19	+ 20	1896	-423	+ 17	+ 18	2025	-555	+ 149	+ 150			
HUNTON	1898	-406	1897	-405	1890	-409	+ 3	+ 4															
MARQUOTA SH	1935	-443	1952	-460	1955	-474	+ 31	+ 14															
VIOLA	2015	-523	2007	-515	2040	-559	+ 36	+ 44	2047	-575	+ 52	+ 60	2008	-535	+ 12	+ 20							
SIMPSON	2130	-638	2130	-638	2150	-669	+ 31	+ 31	2162	-690	+ 52	+ 52	2106	-633	- 5	- 5	2139	-669	+ 31	+ 31			
ARBUCKLE	2206	-714	2209	-717	2224	-743	+ 29	+ 26	2234	-762	+ 48	+ 45	2196	-723	+ 9	+ 6	2209	-739	+ 25	+ 22			
RTD	2300	-808	2300	-808	2235	-754	- 54	- 54	2270	-798	- 10	- 10	2250	-777	- 31	- 31							
LTD	2301	-809	2301	-809									2250	-777	- 32	- 32							

**FORMATION TEST**

DST#1 : 1897-1906: HUNTON: STRONG BLOW;  
 RECOVERY: 1165' OCMW (31% O, 12% M, 56% W) BHP#564-554;  
 DST#2: 2008-2025:VIOLA : WEAK BLOW ;  
 OIL, 35' OCM (24% O, 76% M) BHP708-706 PSI

NO DST'S

HUNTON 1894-1895 : 1F 12 BO FD 30 BHPD

DST#1 - 1901-1911 (HUNTON) WEAK BLOW THROUGHOUT;  
 RECOVERY 2' CLEAN OIL, 15' SLOCM; PRESSURES: BHP#618-620

DST#2 1905-1920 (HUNTON) : WEAK BLOW ; RECOVERY 20' CLEAN OIL, 25' MCO (26% M, 80% O), 30' HOCWM (15% O, 40% W, 45% M); BHP #584-528

DST#3 2008-2015 (VIOLA) : WEAK BLOW THROUGHOUT;  
 RECOVERY 100' CLEAN OIL, 25' OCMW (10% O, 15% M, 75% W); BHP#672-673 PSI

DST#1 2081-2106 (HUNTON) RECOVERED: 1350' SULFER WATER; BHP #720-720

**ROCK TYPES**

Dolprim	shale, grn	Carbon Sh	Ss
Lmst fw<7	shale, gry	shale, red	

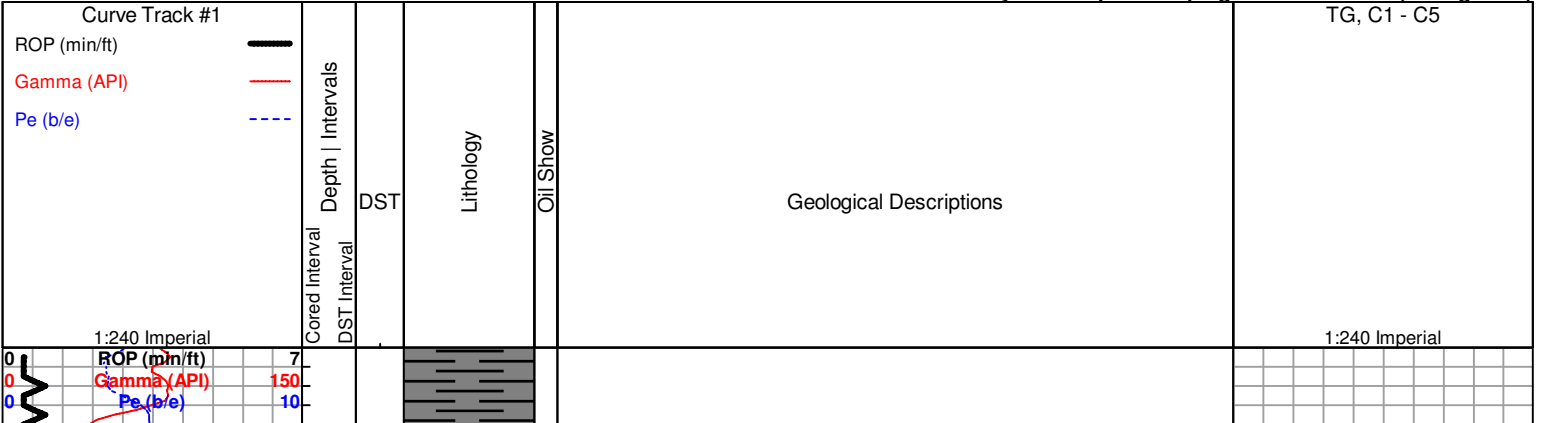
**ACCESSORIES**

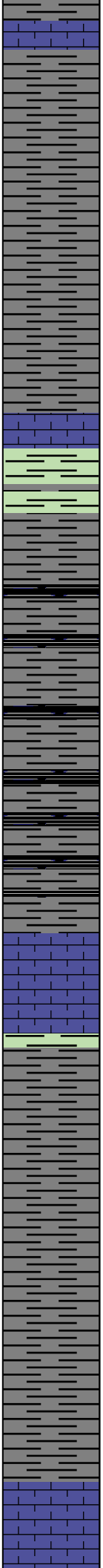
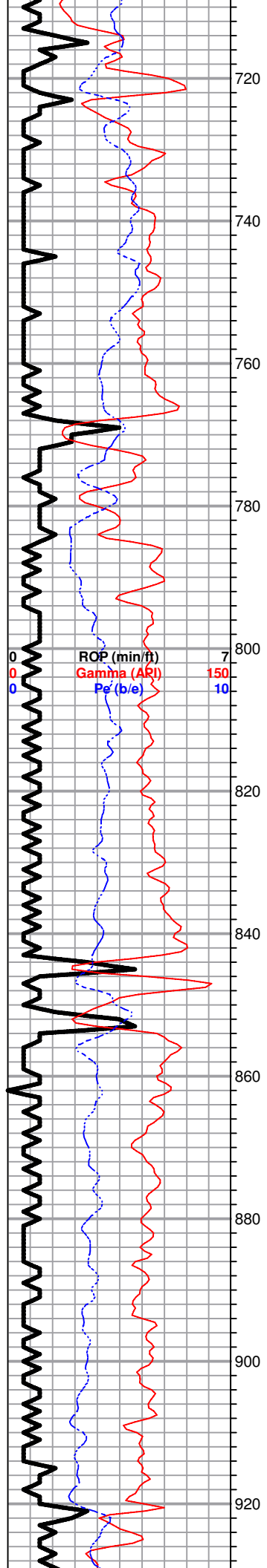
<b>MINERAL</b>	<b>STRINGER</b>
↘ Dolomitic	••• Sandstone

**OTHER SYMBOLS**

- Oil Show**
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- \* Gas
- DST**
- DST Int
- DST alt
- Core
- || tail pipe

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LS, tan, cream, fxl, few foss, poor vis. porosity, v. chalky

Sh, gry, silty, tr. pyrite

LS, brn, fxl, dense, poor scattered p.p. porosity, no shows tr. pyrite

Slug aqua green sdy sh.

Sh, dk gry, blk,

Sh, a/a.

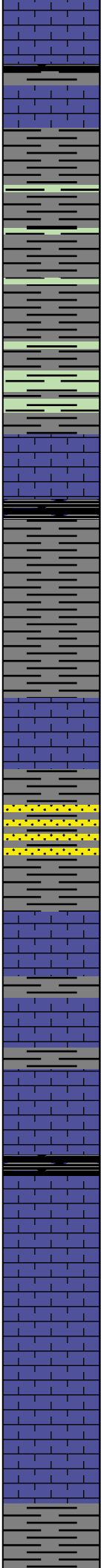
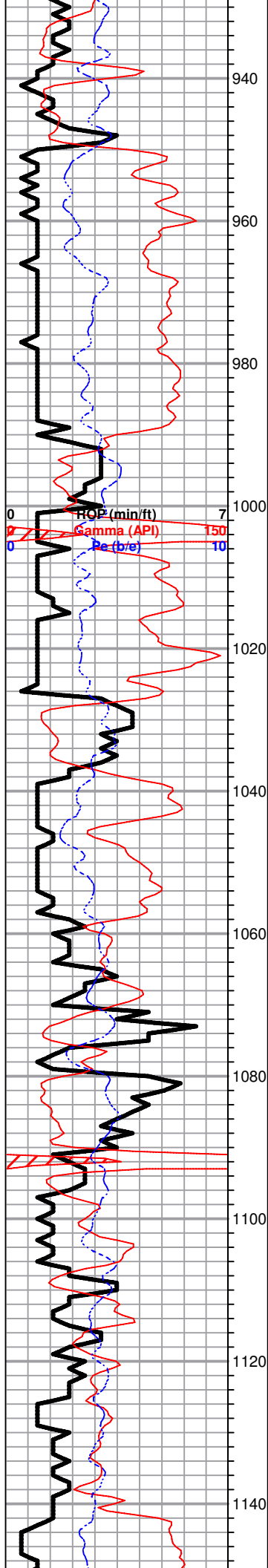
LS, tan, brn, dense, cherty, abd. aqua green soft silty shales & blk carb shale

Sh, & tr. ls, a/a, (Samples poor quality) tr. pyrite

Sh, black, dk gry, silty, waxey

Poor Sample quality





LS, brn, fxl, dense, cherty, no shows

LS, cream/ tan, v. chalky , poor vis. porosity, no shows

Sh, gry / dk gry, blk carb, tr. sd. gry, v.f.grain, mica. no shows

Sh, a/a, increase in aqua green / lt. green sh. (soft)

LS, tan, buff, scattered vis. porosity, chalky, tr. pyrite, no shows

Sh, black carb

Sh, gry, silty, soft, tr. sd. gry, v.f. grain, mica. no shows

LS, tan, cream, dense, poor scattered porosity, no shows

Sd. gry, f. grain, well sorted, mica, no shows, no odor

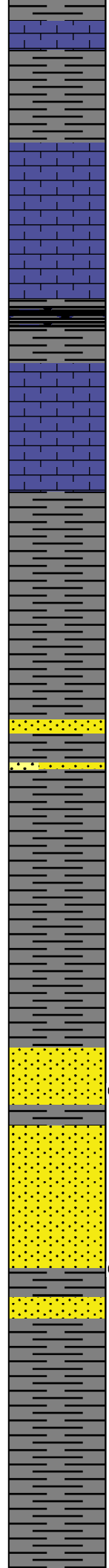
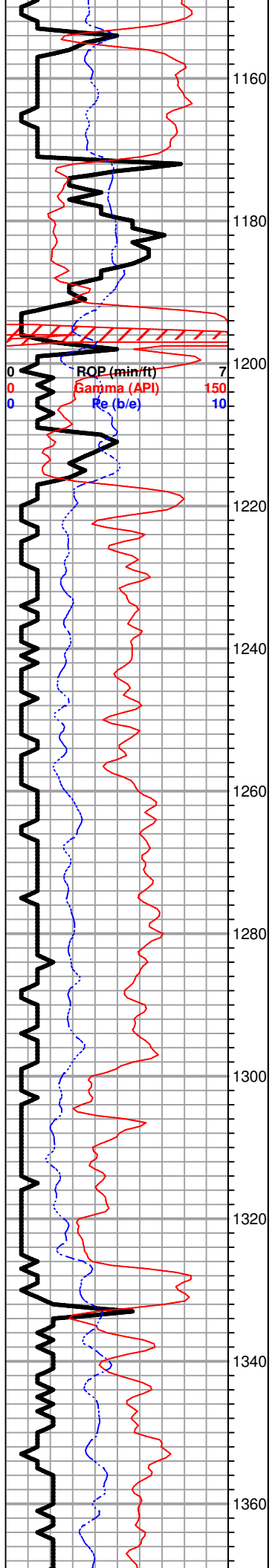
LS cream, tan, fxl dense poor vis. porosity

Sh, black carb

LS, tan,/ buff, fxl, gran. poor vis porosity, chalky

LS, a/a

Sh, gry , silty



Sh, a/a, sdy-silty

LS, cream- tan, dense, poor vis porosity, no shows

**Heebner 1192.0 (300.0)**

Sh, black carb.

**Toronto 1204.0 (288.0)**

LS, cream, white, foss, scattered vis. porosity, chalky, no show

**Douglas 1218.0 (274.0)**

Sh, gry, greenish, tr. f. grain sd. glauc. well sorted, no shows

Sh, a/a, tr. sd. a/a tr. glauc. well sorted, no shows

Sd. green gry, f. grain sub rounded, well sorted, no shows

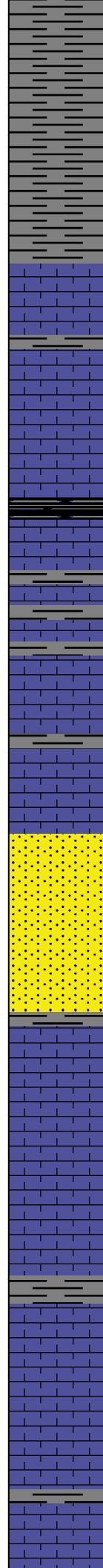
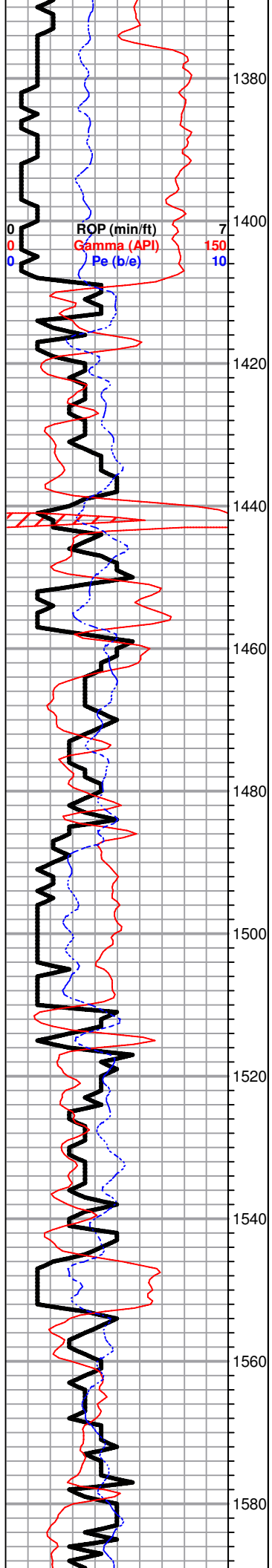
Sh, grey,

Sd. gry-greenish, well sorted, few mica, tr. blk / brn stain,, nsfo,, no odor

Sd. gry/ang, poorly sorted, nsfo, tr. blk stain, nsfo, no odor

Sh, a/a tr gry, b





Sh, gry, waxey, few soft

**Lansing 1408.0 (84.0)**

LS, tan, brn, fxl, dense, poor vis porosity, poor scattered vis. p.p. porosity, chalky

LS, cream, tan, foss, scattered visible porosity, chalky, no shows

Sh, black carb

LS, white, poor vis porosity, foss, chalky, tr. gry shales.

LS, tan fxl dense, no shows

LS, white, cream, foss, v. chalky, no shows

Sd. gry, green tinted, f. grain, well sorted, no shows

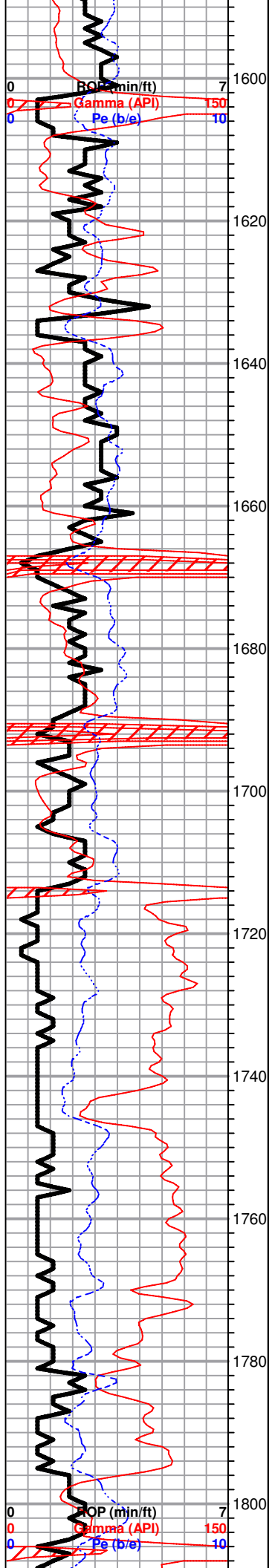
LS cream white, chalky, foss, (ool), poor scattered porosity, no shows

LS, white/ cream, ool/ foss, scattered vis porosity, chalky in pts, no shows

Sh, black carb, gry, brn waxey

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

LS, tan, brn, fxl, poor vis. porosity, dens, no shows



Sh, black gry, brn

LS, white, fxl, dense, cherty, poor scattered porosity, tr. tr. lt. brn stain, on few. tr. tan chert

Sh, gry, green-aqua green (soft)

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

LS, tan, white, fxl dns, cherty, poor vis. porosity, nsfo, tr. pyrite

Sh, black carb

LS, white, fxl, dense, poor vis. porosity

Sh, black carb

**BKC 1713.0 (-221.0)**

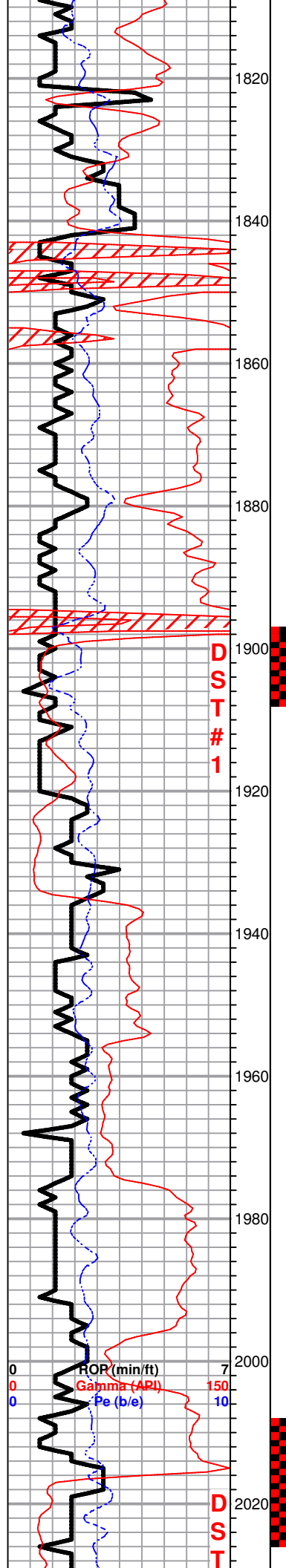
Sh, gry, dk gry,, waxey

Sh, a/a ,

Tr. lt. brn / tan ls, poor vis. porosity, dense/ cherty, no shows

Tr. LS, tan, cream, fxl, dens.

black carb Sh



Ls, cream, tan, fxl, dense, poor vis porosity, cherty

**Cherokee 1844.0 (-352.0)**

Sh, black carb

Sh, dk gry, gry, tr. sd. gry med grain, no shows.

**Hunton 1898.0 (-406.0)**

Dol. gry, / fxl, dense, poor scattered p.p. type porosity, dk brn stain, dk. sppty sfo, strong odor (increase pyrite in cfs samples)

Dol. gry, cream/off-white, fxl, dense, poor inxln porosity, scattered vuggy type porosity, sfo, faint odor, tr. gry ool dol.

**Maquokata 1936.0 (-444.0)**

Sh, gry, greenish, dol.

Sh, a/a

Dol. white, cream, limey, scattered vuggy type porosity, tr. dk brn-blk sppty sfo, odor, dk brn/blk stain

Sh, green, greenish- gry, dol. no shows, tr. pyrite

Dol. tan, cream, poor scattered porosity. tr. brn stain, tr. sppty sfo, ft. odor

Sh, gry, greenish

**Viola 2016.0 (-524.0)**

Dol. clr/ cream, coarse xln, rhombic, good inxln porosity, dk brn stain, sfo (bleeding), strong odor

**DST#1 1897-1906**  
15-15-15

**1st Open:**  
BOB 30 sec.

*No return on shut-in*

**2nd Open:**  
BOB 2 mins.

*No return on shut-in*

**Recovery:**  
597' MCHWCW  
(50%O, 30%W, 20%M)

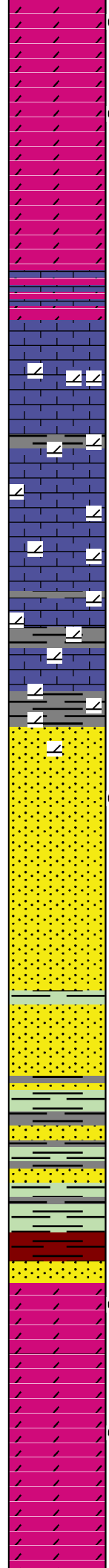
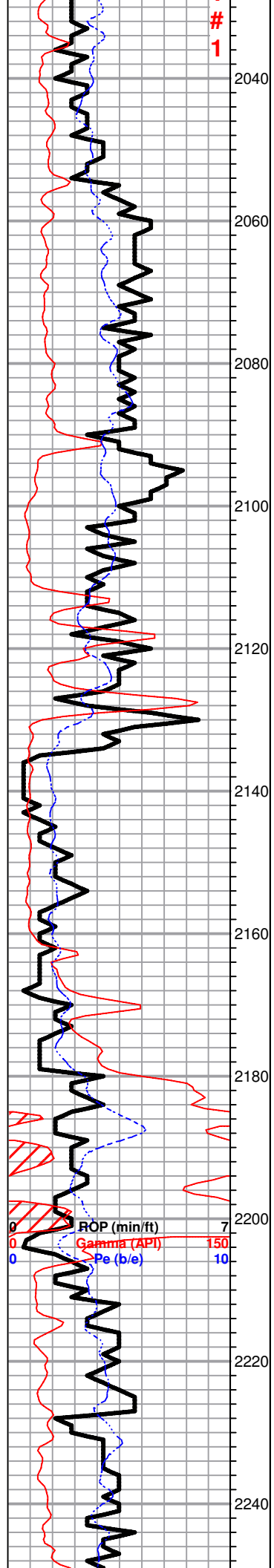
253' SLMCOCW  
(26%O, 68%W, 6%M)

315' SLOCW  
(2%O, 98%W)

**Pressures:**  
ISIP 564 psi  
FSIP 554 psi  
IFP 148-383 psi  
FFP 381-499 psi  
HSH 897-878 psi

**DST#2 2008-2025**  
30-30-45-60

**1st Open:**  
Weak Surface blow  
building to 2.25"



Dol. white, gry, good inxl porosity, good vuggy porosity, tr. brn stain, sfo, odor

Dol. cream, white- few tan, poor vis. porosity, dense, tr. sppty black stain, no sfo, odor ???

Dol. tan, suc. fair scattered porosity, no shows no odor

LS, tan, brn, dol. dense, poor vis. porosity, no shows,

LS, brn, dk brn, fxl, poor vis. porosity, cherty, no shows, no odor

**Simpson Sh. 2112.0 (-620.0)**

Sh, gry, greenish, brn, waxey

Sh, gry, maroon, green-aqua green, waxey

**Simpson Sd. 2130.0 (-638.0)**

Sd clr, qtz, f- med grain, well sorted, dk blk stain, nsfo, odor ??

Sd. a/a, + in dk staining, blk flakes, nsfo, no odor

Sd. white, med grain, rounded, well sorted, friable, clean

Sh, gry, waxey, tr. sd. white, gry, mica, no shows

Sh, maroon, red, tr. sd. poorly sorted, no shows, no odor

**Arbuckle 2209.0 (-717.0)**

Dol. tan, cream, fxl, poor vis porosity, chety in pts, tr. sppty sfo, tr. blk stain, ft. odor (sulfuric)

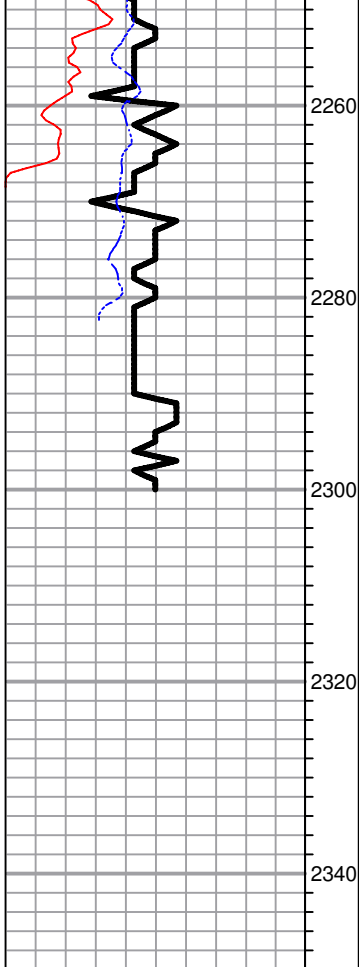
Dol. tan, fxl, dense, cherty, abd. qtz recrystallization, tr. blk stain, tr. sppty sfo, (only sfo is from recrystallized veins)

**2nd Open:**  
Same building to 1.6"

**Recovery:**  
15' Clean Oil

**35' OCM**  
(24%O, 76%M)

**Pressures:**  
ISIP 708 psi  
FSIP 706 psi  
IFP 10-19 psi  
FFP 20-32 psi  
HSH 959-953 psi



Dol. gry - white, fxl, dense, poor vis. porosity, no shows, slug pyrite

Dol. gry, tan, fxl, dense, cherty, poor visible porosity, no shows, no odor

Dol. gry, fxl, cherty, poor vis. porosity, dense, no shows

**RTD 2300.0 (-808.0)**