

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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	SCHLEGEL 1-31
Doc ID	1429508

All Electric Logs Run

CDN
DIL
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	SCHLEGEL 1-31
Doc ID	1429508

Tops

Name	Top	Datum
Anhydrite	1800	+742
Heebner	3865	-1323
Toronto	3888	-1346
Lansing	3908	-1366
BKC	4277	-1735
Marmaton	4284	-1742
Fort Scott	4423	-1881
Mississippi	4517	-1975
LTD	4638	-2096

Customer Bluegrass Petroleum Corp.		Lease No.		Date 11/26/2018	
Lease Schlessi		Well # 1-31			
Field Order # 17489	Station Pratt, KS	Casing 8 5/8	Depth 674	County Ness	State KS
Type Job 242/85/8			Formation TD-674	Legal Description 31-19-25	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
8 5/8				Pre Pad		Max		5 Min.
Depth 674	Depth	From	To	Pad		Min		10 Min.
Volume 43	Volume	From	To	Frac		Avg		15 Min.
Max Press	Max Press	From	To			HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush Water		Gas Volume		Total Load
Plug Depth 1634	Packer Depth	From	To					

Customer Representative Rick Wilson			Station Manager Justin Westerman			Treater Darin Franklin		
Service Units	92911	84980	20920	19889	19860			
Driver Names	Darin	Ed	Ed	Darin	Darin			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00pm					On location / Safety meeting 150 sic D-Con Blend Common 3% CC, 1/4 HCl, 2% Celsco, 2% metasilicate 12.0 ppg, 2.47 Veil, 14.49 Water 150 sic Common Cement 2% CC, 1/4 H Celloflske 15.6 ppg, 1.70 Veil, 5.23 Water
11/26 2:30pm	200		3	5	Pump 3 bbls Water
	200		66	5	mix 150 sic D-Con
	200		38	5	mix 150 sic Common
					Shut down
					Release Plug
	200		4 1/2	4	Displace
3:15pm			/		Shut in Cement die Circulate - 10 bbls
					Job complete / Darin & crew Thank you!!!

JOB LOG

SWIFT Services, Inc.

DATE

12/05/18

PAGE NO.

1

CUSTOMER

Blue Ridge Petroleum

WELL NO.

L-31

LEASE

Schlegel

JOB TYPE

2 Stage L.S.

TICKET NO.

27719

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							On location w/Float Equipment
								RTD - 4635'
								LTID - 4638'
								Total Pipe Used - 4635'
								Shoe It - 42.08'
								Turbo's - 1, 2, 3, 4, 6, 9
								Baskets - 6, 6, 6, 7
								D.V. - Top of 68 @ 1862
								5 1/2" x 15.5"
	0400							Start Pipe w/Float Equipment
	0430							Break Circ on Bottom
	0745	5	12			400		Pump Mud Flush
		5	20			400		Pump K.L. Spacer
	0750	4 1/2				400		Start 1 st Stage Cement
	0805	4 1/2	36			Vac		Fin Cmt
								Drop Plug, Washout Pump & Lines
	0810	7 1/2						Start Displacement
		7 1/2	88			400		Catch Cmt
	0830	6	109			900/1500		Land Plug Lift PSI 900
								Land PSI 1500
	0835							Drop D.V. Bomb
		2 1/2	8					Plug R.H. w/30 SKS
								Plug M.H. w/15 SKS No M.H.
	0845					1500		Open D.V. Tool
	0846	5	8			300		Start 2 nd Stage Cmt
	0910	4 1/2	110			Vac		Fin Cmt
	0915							Drop Plug
	0916	6						Start Displacement
		6	25			500		Catch Cmt
	0930	4 1/2	44			700/1300		Land Plug Lift PSI 700
								Land PSI 1300
	0931							Release, Dry
	0935							Washup, Rack up
	0950							Job Complete

Thanks,
Don, Austin, ISAAC.



**Company: BlueRidge
Petroleum Corporation
Lease: Schlegel #1-31**

SEC: 31 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2532 EGL
Field Name: Manteno
Pool: Pool Ext
Job Number: 267

Operation:
Uploading recovery &
pressures

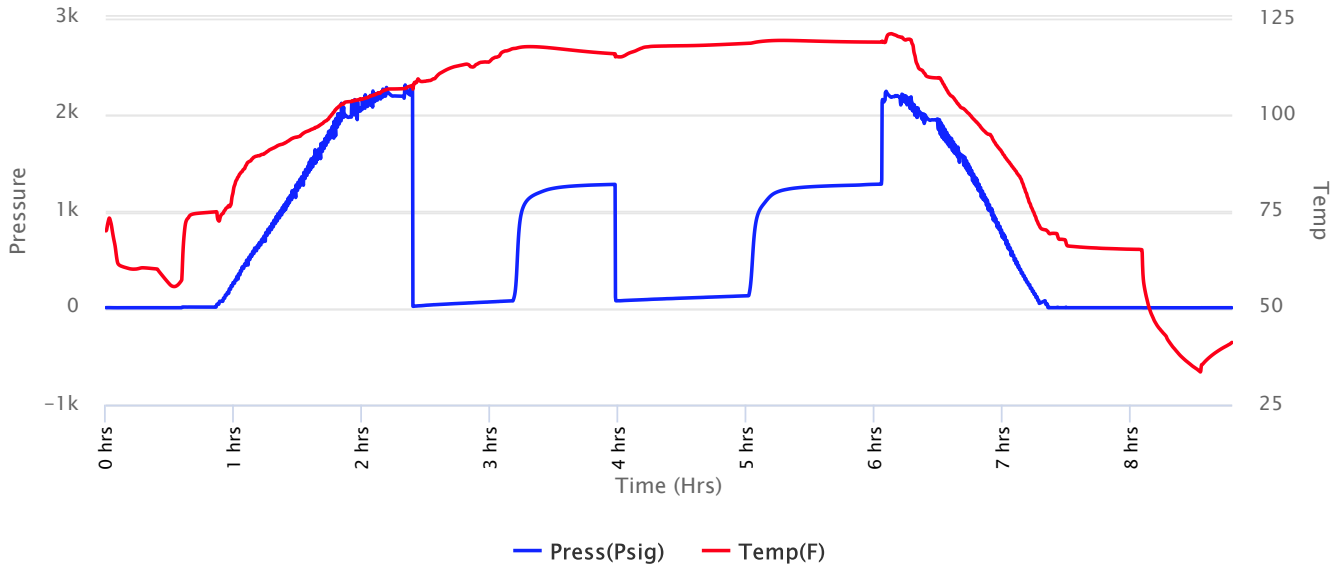
DATE
December
03
2018

DST #1 Formation: Miss Test Interval: 4481 - Total Depth: 4535'
4535'
Time On: 16:40 12/03 Time Off: 01:13 12/04
Time On Bottom: 19:00 12/03 Time Off Bottom: 22:30 12/03

Electronic Volume
Estimate:
468'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 45	Minutes: 60	Minutes: 60
Current Reading: 16.2" at 45 min	Current Reading: .15" at 45 min	Current Reading: 23" at 60 min	Current Reading: .4" at 60 min
Max Reading: 16.2"	Max Reading: .15"	Max Reading: 23"	Max Reading: .6"

Inside Recorder





**Company: BlueRidge
Petroleum Corporation
Lease: Schlegel #1-31**

SEC: 31 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2532 EGL
Field Name: Manteno
Pool: Pool Ext
Job Number: 267

Operation:
Uploading recovery &
pressures

DATE
December
03
2018

DST #1 **Formation: Miss** **Test Interval: 4481 - 4535'** **Total Depth: 4535'**
Time On: 16:40 12/03 Time Off: 01:13 12/04
Time On Bottom: 19:00 12/03 Time Off Bottom: 22:30 12/03

Recovered

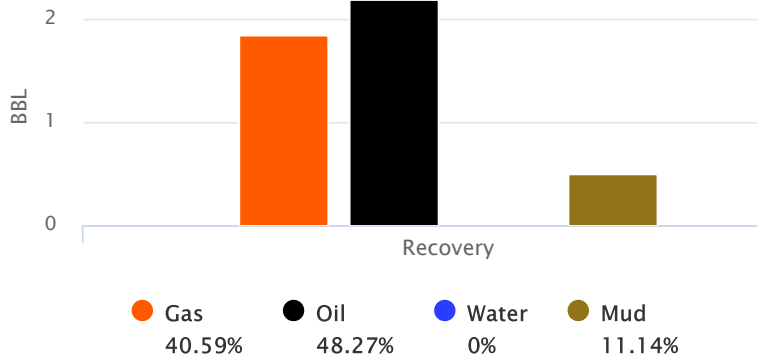
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
179	1.83654	G	100	0	0	0
73	0.74898	O	0	100	0	0
189	1.93914	MCO	0	74	0	26

Total Recovered: 441 ft
Total Barrels Recovered: 4.52466

Reversed Out
NO

Initial Hydrostatic Pressure	2181	PSI
Initial Flow	15 to 71	PSI
Initial Closed in Pressure	1272	PSI
Final Flow Pressure	72 to 123	PSI
Final Closed in Pressure	1275	PSI
Final Hydrostatic Pressure	2182	PSI
Temperature	120	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





**Company: BlueRidge
Petroleum Corporation
Lease: Schlegel #1-31**

SEC: 31 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2532 EGL
Field Name: Manteno
Pool: Pool Ext
Job Number: 267

Operation:
Uploading recovery &
pressures

DATE
December
03
2018

DST #1 Formation: Miss Test Interval: 4481 - Total Depth: 4535'
4535'
Time On: 16:40 12/03 Time Off: 01:13 12/04
Time On Bottom: 19:00 12/03 Time Off Bottom: 22:30 12/03

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1/4" Blow. BOB in 31 mins

1st Close: 1/4" Blow Back

2nd Open: 3/4" Blow. BOB in 31 mins

2nd Close: 1/2" Blow Back

REMARKS:

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

Gravity: 37 @ 60 °F



**Company: BlueRidge
Petroleum Corporation
Lease: Schlegel #1-31**

SEC: 31 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2532 EGL
Field Name: Manteno
Pool: Pool Ext
Job Number: 267

Operation:
Uploading recovery &
pressures

DATE
December
03
2018

DST #1 Formation: Miss Test Interval: 4481 - Total Depth: 4535'
4535'
Time On: 16:40 12/03 Time Off: 01:13 12/04
Time On Bottom: 19:00 12/03 Time Off Bottom: 22:30 12/03

Down Hole Makeup

Heads Up: 15.55 FT	Packer 1: 4475.98 FT
Drill Pipe: 4463.96 FT <i>ID-3 1/4</i>	Packer 2: 4480.98 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4465.4 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4519 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 54.02	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.52 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 17 FT <i>4 1/2-FH</i>	



**Company: BlueRidge
Petroleum Corporation
Lease: Schlegel #1-31**

SEC: 31 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2532 EGL
Field Name: Manteno
Pool: Pool Ext
Job Number: 267

Operation:
Uploading recovery &
pressures

DATE
December
03
2018

DST #1 Formation: Miss Test Interval: 4481 - Total Depth: 4535'
4535'
Time On: 16:40 12/03 Time Off: 01:13 12/04
Time On Bottom: 19:00 12/03 Time Off Bottom: 22:30 12/03

Mud Properties

Mud Type: Chem Weight: 9.7 Viscosity: 68 Filtrate: 8 Chlorides: 4900 ppm



Musgrove

Petroleum Geology
212 Main Street, Claflin KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Blueridge Petroleum, Corp.

LEASE Schlegel #1-31

FIELD Manteno

LOCATION NE-SE-SW-NE (1981' FNL & 1509' FEL)

SEC 31 TWSP 19S RGE 25W

COUNTY Ness STATE Kansas

ELEVATIONS

KB 2542'

DF _____

GL 2537'

Measurements Are All
From KB

CONTRACTOR LD Drilling, Inc. (Rig #1)

SPUD 11/24/2018 COMP 12/04/2018

RTD 4635' LTD 4638'

MUD UP 3500' TYPE MUD Chemical

CASING

SURFACE 8 5/8"@ 671'

PRODUCTION 5 1/2"@4635'

ELECTRICAL SURVEYS

ELI; DIL, MEL,
CDL/CNL, PE, SONIC

SAMPLES SAVED FROM _____ 3700' TO _____ RTD

DRILLING TIME KEPT FROM _____ 3700' TO _____ RTD

SAMPLES EXAMINED FROM _____ 3700' TO _____ RTD

GEOLOGICAL SUPERVISION FROM 3950' TO _____ RTD

GEOLOGIST ON WELL Jim Musgrove







FORMATION TOPS	LOG	SAMPLES
Anhydrite	668 (+742)	Miss. Dol. 4517 (-1975)
B. Anhydrite	1838 (+704)	RTD 4635 (-2093)
Heebner	3865 (-1323)	LTD 4638 (-2096)
Toronto	3887 (-1345)	
Lansing	3908 (-1366)	

		X	

Base KC	4276	(-1734)
Marmaton	4285	(-1743)
Pawnee	4370	(-1828)
Ft. Scott	4424	(-1882)
Cherokee Sh.	4448	(-1906)

		31	

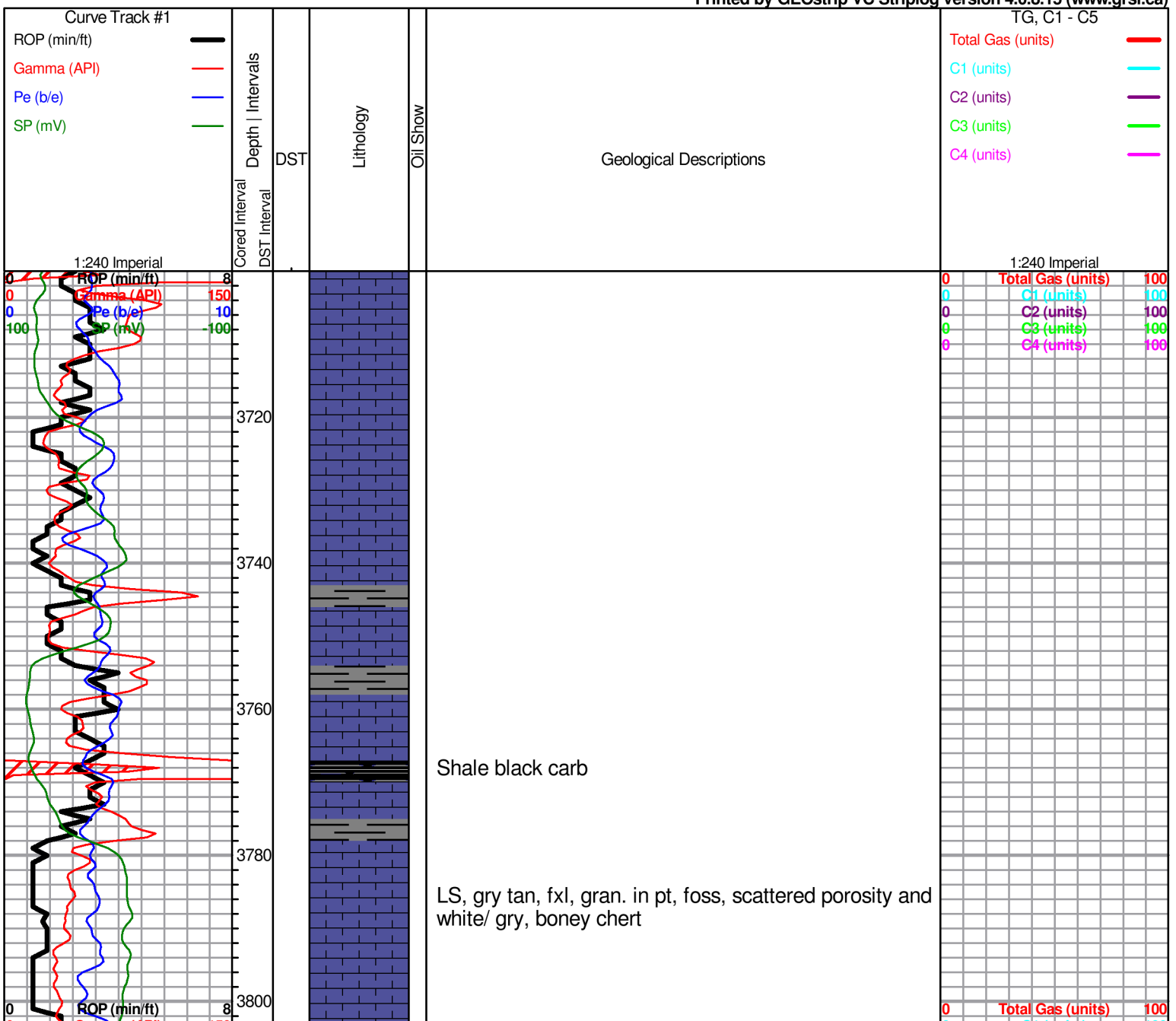
ROCK TYPES

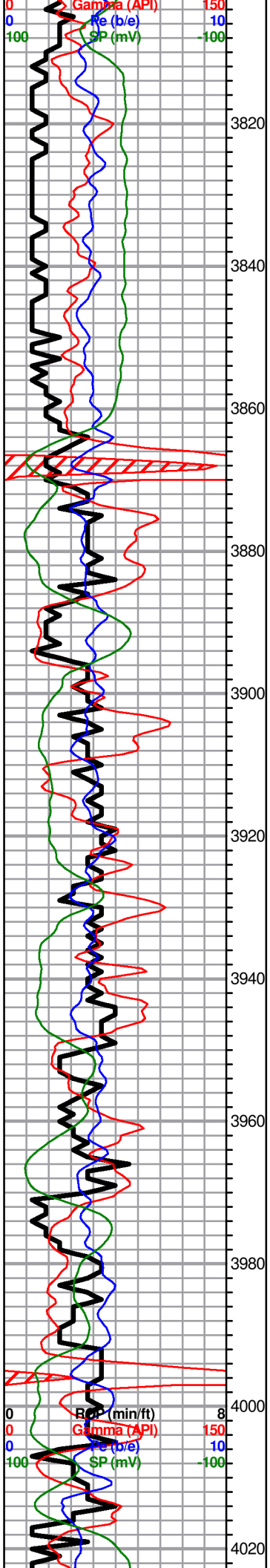
 Dolprim	 shale, grn	 Carbon Sh
 Lmst fw<7	 shale, gry	 shale, red

OTHER SYMBOLS

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

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





LS, gry, tan, foss, scattered porosity, + white/ gry foss, boney chert

LS, a/a, + white, chalk/ clay

HEEBNER 3865.0 (-1323.0)

Sh, black carb
 LS, tan, fxl, slightly cherty, dense

TORONTO 3883.0 (-1341.0)

LS, white/gry, tan, foss, chalky + white, cream, trans. chert

LANSING 3908.0 (-1366.0)

LS, white, fxl, foss in pt, + tr. tan chert

LS, tan, fxl, slightly dolomitic, poor porosity, no shows

LS, tan, gry, foss, slightly cherty -->few chalky, no shows

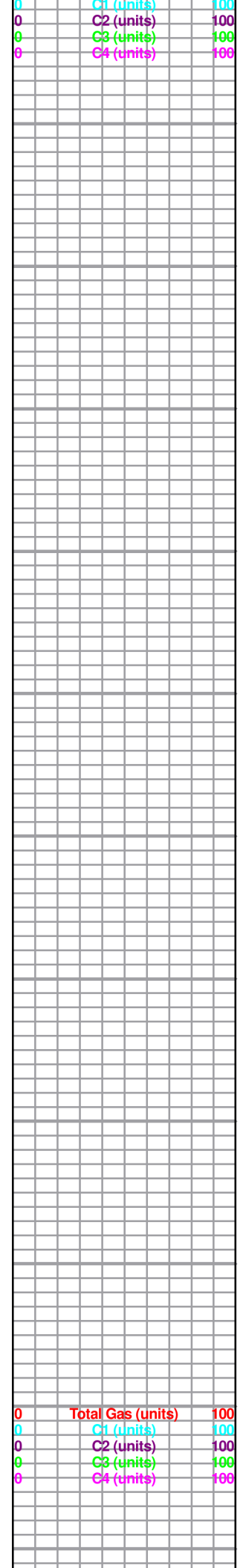
LS, a/a

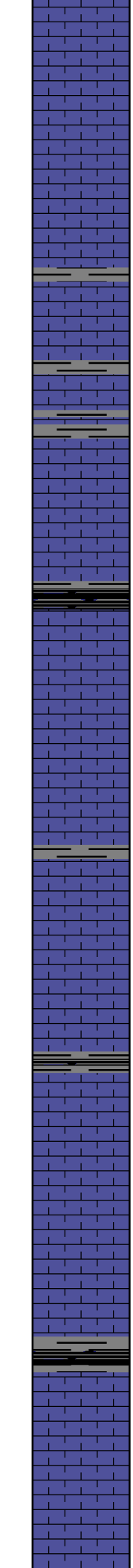
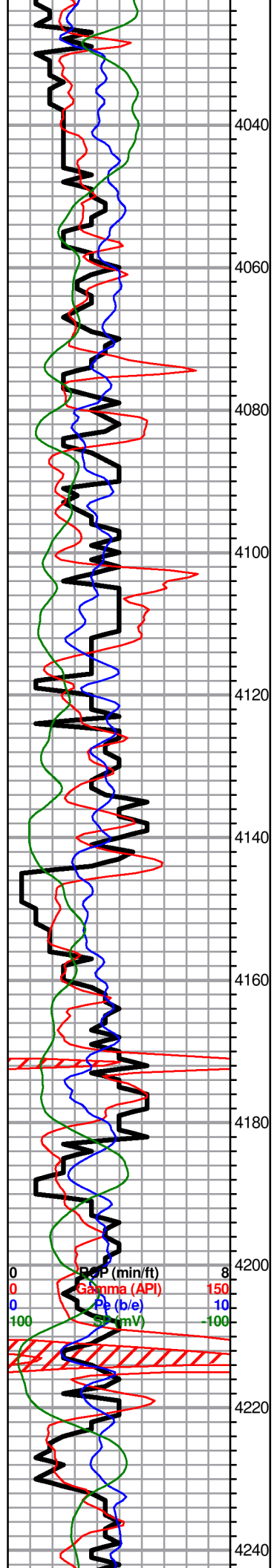
LS, tan, ool, sub oom, fair sub oom porosity, no shows

LS, gry, tan, dense, + gry/ opaque chert

Sh, black carb

LS, white, gry, foss, scattered porosity, + LS, white/ gry, f-med xln fair inxln porosity, + tr. gry chert.(few dolomitic).





LS, white, gry, tan, fxl, chalky,
slug white/ cream, boney opaque chert

LS, white, cream, f-med xln , chalky

Tr. black carb

LS, white, cream, gran. few foss + tan/ gry cherts

LS, white/ gry, oom, good oom porosity, tr. pyrite

Sh, black carb

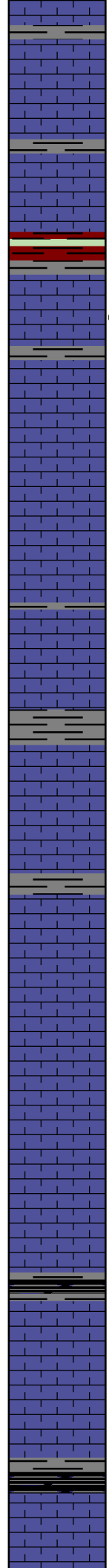
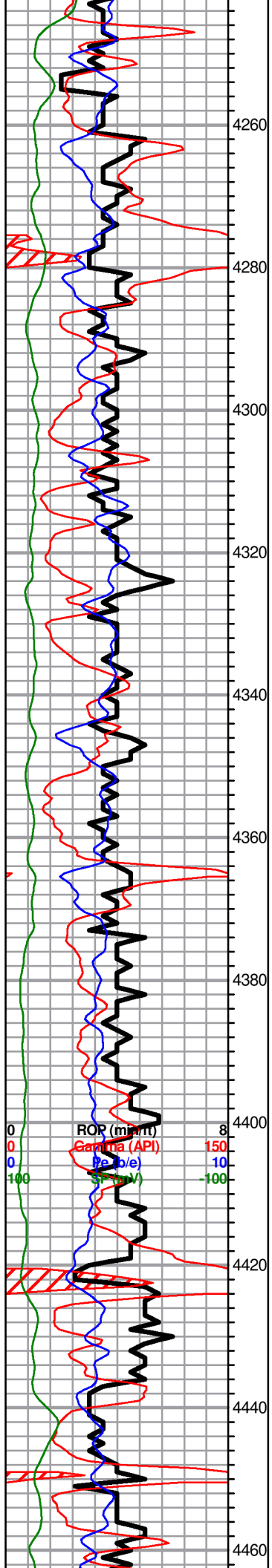
LS, tan, oom, fair oom porosity, + white/ clear, trans.
opaque chert

LS, a/a

LS, gry, white fxl, chalky,

LS, tan, gry, foss, chalky, poor / fair porosity, + gry
white chert

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



LS, a/a

BASE KC 4275.0 (-1733.0)

Sh, gry, gryish green maroon

MARMATON 4281.0 (-1739.0)

LS, white, f-med xln , chalky in pt. tr. brn discoloration, nsfo, no odor

LS, maroon tinted, chalky in pt, (dense)

LS, white/ gry, f- med xln, chalky + tr. gry chert

Tr.gry sh.

LS, a/a + gry/ white, dense

Sh, a/a, tr. white chert

PAWNEE 4370.0 (-1828.0)

LS, white, gry, fxl, gran. in pt. chalky, no shows

LS, a/a tr. white chert

LS, white, gry, fxl, chalky, no shows

Sh, black carb

FT. SCOTT 4423.0 (-1889.0)

LS, tan, ool in pt, chalky, poor porosity, no shows

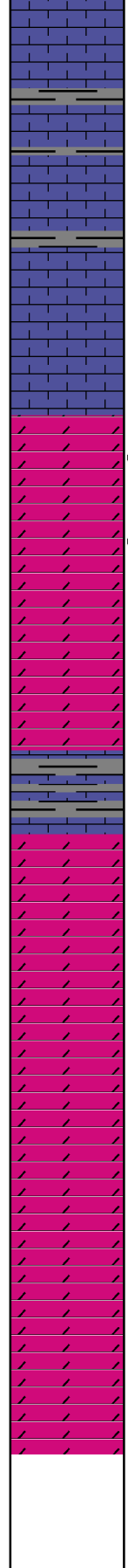
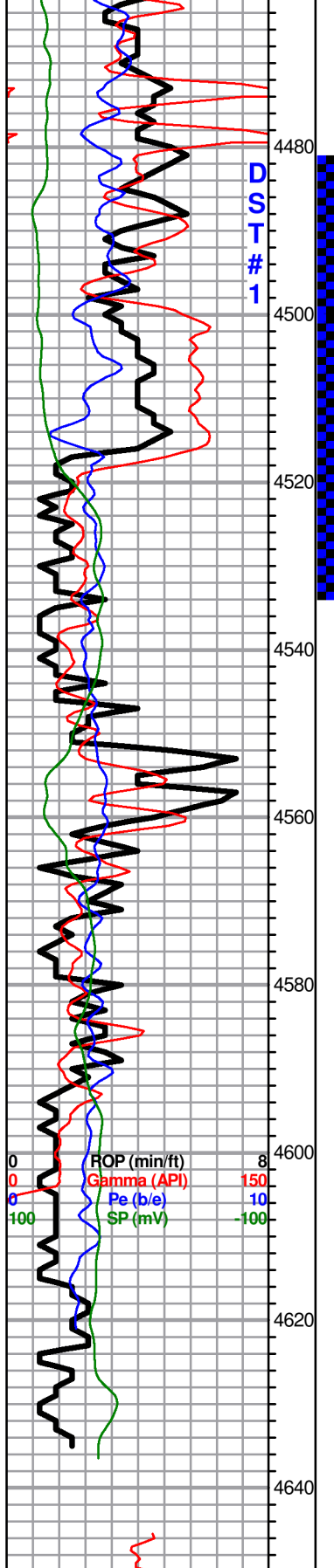
LS, white, tan, gry, fxl in part, chalky, poor porosity, no shows

CHEROKEE SH. 4446.0 (-1904.0)

Sh, black carb

LS, tan, ool, chalky, no shows

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Sh, gry, greenish

LS, white, gry, tan, chalky --> cherty, (dense)

LS, gry, foss, chalky, no shows

Tr. white chert + LS, gry, tan, fxl, dense

MISS. DOLOMITE 4517.0 (-1975.0)

● Dol. white, gry, fxl, few med xln, suc. fair - good vuggy porosity, brn / dk brn stain/ sat. sfo, good odor

● Dol a/a

Dol, white, cream, fxl, dense, few limey, tr. pyrite + tan dense dolomite

Dol, white/ cream, fxl, dense, few

LS, tan, dolomitic + white frosted qtz grains, gry/ gryish blk sh

Dol. gry, mottled, suc. in pt, fair inxln porosity, fair vuggy porosity, no shows

Dol. gry, tan med xln, suc. in pt, fair inxln porosity, no shows

Dol, tan, gry, fxl, suc. scattered vuggy porosity, quartz, white/ gry chert

Dol. gry, scattered vuggy porosity, tr. chert a/a

Dol., a/a, tr white, chl

RTD 4635.0 (-2093.0)

LTD 4638.0 (-2096.0)

DST#1 4481-4535
45-45-60-60

1st Open:
BOB 31 mins.
(strong)

2nd Open:
BOB 31 mins.
(strong)

Recovery:
179' of Gas in pipe

75' Clean Oil

189' Mud cut oil
(74%O, 26%M)

Pressures:
ISIP 1272 psi
FSIP 1275 psi
IFP 15-71 psi
FFP 72-123 psi
HSH 2181-2182 psi

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100