

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1372643
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

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: _____

1372643

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	Black Stone Petroleum LLC
Well Name	SWOB 3
Doc ID	1372643

All Electric Logs Run

Dual Ind
Micro
Porosity
Sonic

GLOBAL OIL FIELD SERVICES, LLC

Invoice

24 S. Lincoln
RUSSELL, KS 67665

Date	Invoice #
7/12/2017	3011

Bill To
BLACK STONE PETROLEUM LLC 363 N VASSAR ST WICHITA, KS 67208-3220

~~CC~~ CC

P.O. No.	Terms	Project
SWOB #3	Due on receipt	

Quantity	Description	Rate	Amount
270	COMMON	16.00	4,320.00
180	POZ	9.50	1,710.00
32	GEL	21.50	688.00
112.5	FLO-SEAL	2.00	225.00
482	HANDLING	1.90	915.80
	BULK MILEAGE	1,205.00	1,205.00
1	TRI-PLEX PUMP CHARGE FOR LONGSTRING	1,450.00	1,450.00
25	PUMP TRUCK MILEAGE	7.00	175.00
25	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	75.00
1		550.00	550.00
10		75.00	750.00
3		276.00	828.00
1		240.00	240.00
1		300.00	300.00
	25% DISCOUNT IF PAID WITHIN 15 DAYS FROM INVOICE		
4	CHARGED AFTER THE FIRST 4HRS OF WAITING	200.00	800.00
	new sales tax rate as of 7-1-2015	8.50%	0.00

\$ 10,673.85
Paid 7/16/17

Thank you for your business.	Total	\$14,231.80
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GLOBAL OIL FIELD SERVICES, LLC


24 S. Lincoln
RUSSELL, KS 67665

Invoice

Date	Invoice #
8/11/2017	3020

Bill To
BLACK STONE PETROLEUM LLC 363 N VASSAR ST WICHITA, KS 67208-3220

P.O. No.	Terms	Project
SWOB#3	Due on receipt	

Quantity	Description	Rate	Amount
150	CLASS II CEMENT	23.50	3,525.00
150	HANDLING	1.90	285.00
	BULK MILEAGE	500.00	500.00
1	TRI-PLEX PUMP CHARGE FOR SQUEEZE		
25	PUMP TRUCK MILEAGE	850.00	850.00
25	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	7.00	175.00
		3.00	75.00
	DEDUCT 20% FROM TOTAL IF PAID WITHIN 15 DAYS OF INVOICE new sales tax rate as of 7-1-2015	8.50%	0.00
			
			\$ 4,328.00
Thank you for your business.			Total \$5,410.00

GLOBAL OIL FIELD SERVICES, LLC

Invoice

24 S. Lincoln
RUSSELL, KS 67665

Date	Invoice #
7/25/2017	3016

Bill To
BLACK STONE PETROLEUM LLC 363 N VASSAR ST WICHITA, KS 67208-3220

FD

P.O. No.	Terms	Project
SWOB#3	Due on receipt	

Quantity	Description	Rate	Amount
325	GCSB 60/40 CEMENT FOR BOTTOM STAGE LONGSTRING	19.75	6,418.75
1	TRI-PLEX PUMP CHARGE FOR LINER	800.00	800.00
25	PUMP TRUCK MILEAGE	7.00	175.00
25	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	75.00
325	HANDLING	1.90	617.50
	BULK MILEAGE	812.00	812.00
	DEDUCT 20% FROM TOTAL IF PAID WITHIN 15 DAYS OF INVOICE new sales tax rate as of 7-1-2015	8.50%	0.00

\$7,118.60

Thank you for your business.	Total	\$8,898.25
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COPELAND

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

Page: 1

Acid & Cement

BURRTON, KS GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C45388-IN

BILL TO:

BLACK STONE PETROLEUM, LLC
 363 N. VASSAR ST.
 WICHITA, KS 67208

LEASE: SWOB #3

PAID
 AUG 01 2017
 BY: 1364330
 FCH Tty.

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
07/25/2017	C45388		07/20/2017		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
19.00	MI	MILEAGE PUMP TRUCK		0.00	4.00	76.00
1.00	EA	PUMP CHARGE		0.00	800.00	800.00
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice: 876.00		
RECEIVED BY		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		RUHCO Sales Tax: 52.00		
		NET 30 DAYS		Invoice Total:		928.00

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Invoice

GRESSEL OIL FIELD SERVICE

POST OFFICE BOX 438
HAYSVILLE, KS 67060
(316) 524-1225
FAX (316) 524-1027

BURRTON, KS ♦ EL DORADO, KS ♦ GREAT BEND, KS ♦ HAYS, KS
(620) 463-5161 (316) 321-2065 (620) 793-3366 (785) 628-3220
FAX (620) 463-2104

INVOICE NUMBER:
C45141-IN

BILL TO:
BLACK STONE PETROLEUM, LLC
363 N. VASSAR ST.
WICHITA, KS 67208

LEASE: SWOB #3

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
07/19/2017			07/06/2017		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
16.00	MI	MILEAGE - PICK UP		0.00	2.00	32.00
16.00	MI	MILEAGE CEMENT PUMP TRUCK		0.00	4.00	64.00
1.00	EA	CEMENT PUMP CHARGE		0.00	1,100.00	1,100.00
300.00	SK	60/35 POZ 6% GEL 3% CC		0.00	10.75	3,225.00
200.00	SK	60/40 POZ 2% GEL 3% CC		0.00	10.75	2,150.00
10.00	SK	ADD GEL		0.00	22.00	220.00
26.00	SK	CALCIUM CHLORIDE		0.00	30.00	780.00
536.00	EA	BULK CHARGE		0.00	1.25	670.00
370.40	MI	BULK TRUCK - TON MILES		0.00	1.10	407.44
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060				Net Invoice: 8,648.44 RUHCO Sales Tax: 71.50 Invoice Total: 8,719.94		
RECEIVED BY _____		NET 30 DAYS				

There will be a charge of 1.5% (18% annual rate) on all accounts over 30 days past due.

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code



FIELD ORDER N° C 45141

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 7-6 2017

IS AUTHORIZED BY: Black Stone (NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease SWOB Well No. 3 Customer Order No. _____

Sec. Twp. Range 31-18-16W County Rush State Ks.

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

Well Owner or Operator

By

Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	16	Mileage - Pick Up	2.00	32.00
2	16	Mileage - Pump Truck	4.00	64.00
2	1	Pump Chg. 1094	1100.00	1100.00
2	3000	60-35 Poz 670 Gal 370 CC	10.75	3225.00
2	3000	40-40 Poz 270 Gal 370 CC	10.75	3150.00
2	1000	ADD Gal	13.00	130.00
2	2600	Calcium Chloride	30.00	780.00
2	5300	Bulk Charge	1.25	670.00
2	16	Bulk Truck Miles $13.15 \times 16 = 210.40$		907.44
		Process License Fee on _____ Gallons		
TOTAL BILLING				8413.44

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Duane Prosser

Station Gr. Road, Ks.

Charles
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

GRESSEL OIL FIELD SERVICE

Invoice

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 FAX (316) 524-1027

BURRTON, KS (620) 463-5161
 EL DORADO, KS (316) 321-2065
 GREAT BEND, KS (620) 793-3366
 HAYS, KS (785) 628-3220
 FAX (620) 463-2104

INVOICE NUMBER:
C45145-IN

BILL TO:
BLACK STONE PETROLEUM, LLC
363 N. VASSAR ST.
WICHITA, KS 67208

LEASE: SWOB #3

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
07/19/2017			07/12/2017		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
16.00	MI	MILEAGE - PICKUP		0.00	2.00	32.00
16.00	MI	MILEAGE CEMENT PUMP TRUCK		0.00	4.00	64.00
1.00	EA	CEMENT PUMP CHARGE		0.00	1,100.00	1,100.00
300.00	SK	65/35 POZ 6% GEL		0.00	10.75	3,225.00
11.00	SK	ADD GEL		0.00	22.00	242.00
150.00	SK	60/40 POZ 2% GEL MIX		0.00	10.75	1,612.50
100.00	LB	C-47A		0.00	8.50	850.00
100.00	LB	C-41P		0.00	3.75	375.00
900.00	LB	SALT		0.00	0.25	225.00
481.00	EA	BULK CHARGE		0.00	1.25	601.25
334.40	MI	BULK TRUCK - TON MILES		0.00	1.10	367.84
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		8,694.59
RECEIVED BY _____		NET 30 DAYS		RUHCO Sales Tax:		71.50
				Invoice Total:		8,766.09

There will be a charge of 1.5% (18% annual rate) on all accounts over 30 days past due.

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code



FIELD ORDER N° C 45145

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 7-12 2017

IS AUTHORIZED BY: Blackstone Petroleum
(NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well _____
As Follows: Lease SWAB Well No. 3 Customer Order No. _____

Sec. Twp. Range 26-18-16W County Rush State Ks.

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

Well Owner or Operator

By

Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	16	Mileage Pickup	2.00	32.00
2	16	Mileage Pump Truck	4.00	64.00
2	1	Pump Chg.	1100.00	1100.00
2	300x	65-35 Poz 60 Gal	10.75	3225.00
2	115x	ADD Gal	32.00	3680.00
2	150x	60-40 Poz 20 Gal	10.75	1612.50
2	100 lbs	C-47A	8.50	850.00
2	100 lbs	C-41 P	3.75	375.00
2	900 lbs	SALT	.25	225.00
2	181	Bulk Charge	1.25	226.25
2	16	Bulk Truck Miles <u>20.9 x 16 = 334.4 @ 1.10</u>		367.84
		Process License Fee on _____ Gallons		
TOTAL BILLING				8694.59

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Dwaine Brozek

Station Gr. Perm., Ks.

Chris

Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

TREATMENT REPORT

Acid Stage No.

Date: 7-15-17 District: Gas Field F. O. No. 45145
 Company: BLACK STONE
 Well Name & No.: SWDB #3
 Location: 26-18-16W Field:
 County: WASH State: KS

Casing: Size 7" Type & Wt. Set at 2848 ft.
 Formation: Perf. 2915 to 2819
 Formation: Perf. to
 Formation: Perf. to
 Liner: Size Type & Wt. Top at ft. Bottom at ft.
 Cemented: Yes/No. Perforated from ft. to ft.
 Tubing: Size & Wt. Swung at ft.
 Perforated from ft. to ft.
 Open Hole Size T. I. ft. P. B. to ft.

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand

Breakdown: Bbl./Gal.
 Bbl./Gal.
 Bbl./Gal.
 Bbl./Gal.

Flush: Bbl./Gal.

Treated from ft. to ft. No. ft.
 from ft. to ft. No. ft.
 from ft. to ft. No. ft.

Actual Volume of (H₂O) to Load Hole: Bbl./Gal.

Pump Trucks: No. Used: Std. 217 Sp. Twin

Auxiliary Equipment: 200-210T

Packer: DUANE GARY PPKM Set at ft.

Auxiliary Tools

Mudding or Sealing Materials: Type

Company Representative: Treater: DUAN

TIME a.m / p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
10:00				ON LOC
10:05		700	10	BREAK CIR
10:10			0	MIX CMT
10:15		700	1700	CMT MIX-IN
10:20			0	START DISP.
10:25		1050	8700	DISP. EN
10:30		1050		CLOS - WELL LN
10:35				JOB COMPLETE
10:40				THANK YOU

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Pat Apple, Chairman
Shari Feist Albrecht, Commissioner
Jay Scott Emler, Commissioner

Sam Brownback, Governor

November 14, 2017

Blake Nelson
Black Stone Petroleum LLC
1041 N. WHITE TAIL CT.
WICHITA, KS 67206

Re: ACO-1
API 15-165-22147-00-00
SWOB 3
SW/4 Sec.26-18S-16W
Rush County, Kansas

Dear Blake Nelson:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/01/2017 and the ACO-1 was received on November 13, 2017 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE
July
08
2017

DST #1 **Formation: Reagan** **Test Interval: 3536 - 3557'** **Total Depth: 3557'**
Time On: 18:45 07/08 Time Off: 01:53 07/09
Time On Bottom: 21:51 07/08 Time Off Bottom: 23:21 07/08

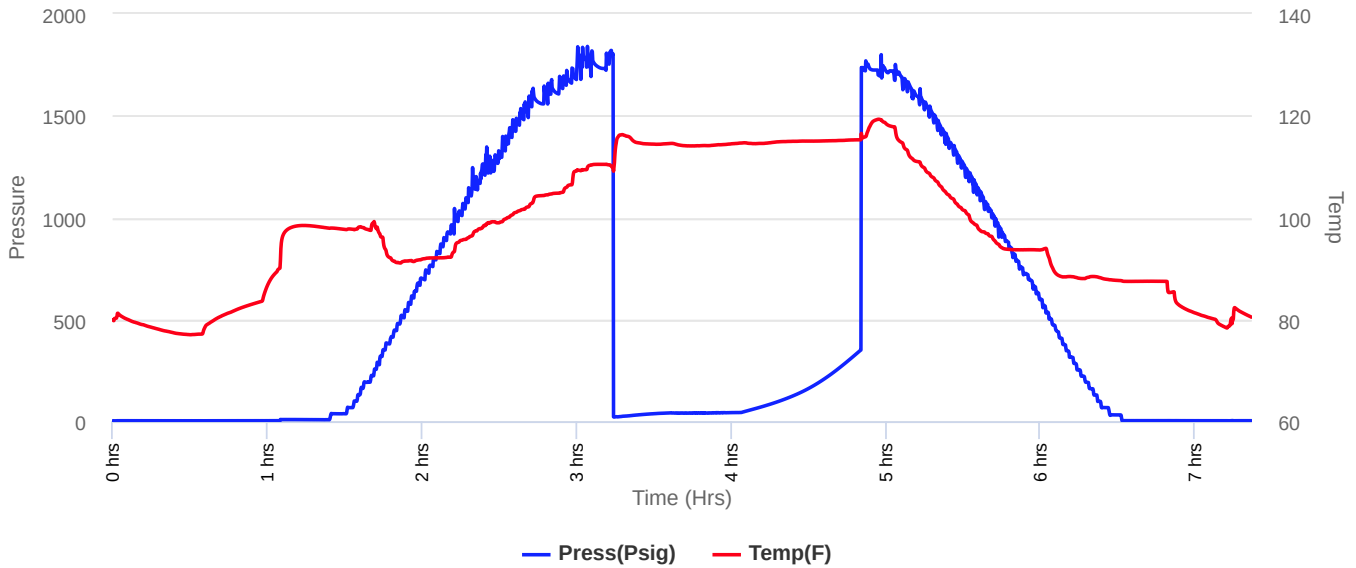
Electronic Volume
Estimate:
223'

1st Open
Minutes: 45
18.2" at 45 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
N/A

2nd Close
N/A





**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling, LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE
July
08
2017

DST #1 **Formation: Reagan** **Test Interval: 3536 - 3557'** **Total Depth: 3557'**
Time On: 18:45 07/08 Time Off: 01:53 07/09
Time On Bottom: 21:51 07/08 Time Off Bottom: 23:21 07/08

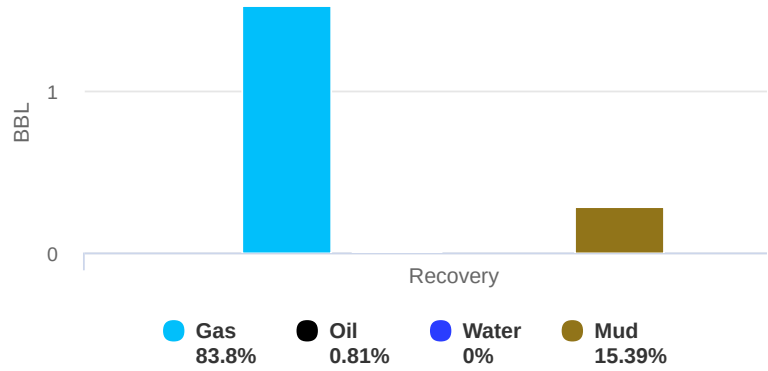
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
125	1.52738	G	100	0	0	0
60	0.2952	SLOCM	0	5	0	95

Total Recovered: 185 ft
Total Barrels Recovered: 1.82258

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1739	PSI
Initial Flow	22 to 44	PSI
Initial Closed in Pressure	350	PSI
Final Flow Pressure	0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	1725	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	0.0	%



**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE July 08 2017
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DST #1	Formation: Reagan	Test Interval: 3536 - 3557'	Total Depth: 3557'
	Time On: 18:45 07/08	Time Off: 01:53 07/09	
	Time On Bottom: 21:51 07/08	Time Off Bottom: 23:21 07/08	

REMARKS:

TOOL SAMPLE: 25% OIL, 10% WATER, 65% MUD



**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE
July
08
2017

DST #1 Formation: Reagan Test Interval: 3536 - 3557' Total Depth: 3557'

Time On: 18:45 07/08 Time Off: 01:53 07/09
Time On Bottom: 21:51 07/08 Time Off Bottom: 23:21 07/08

Down Hole Makeup

Heads Up: 9.42 FT	Packer 1: 3530.5 FT
Drill Pipe: 3424.85 FT <i>ID-3 1/2</i>	Packer 2: 3536 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3519.42 FT
Collars: 87 FT <i>ID-2 1/4</i>	Bottom Recorder: 3541 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 8 3/4
Total Anchor: 21	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): 17 FT <i>4 1/2-FH</i>	



**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE July 08 2017
--

DST #1 Formation: Reagan Test Interval: 3536 - Total Depth: 3557'
3557'

Time On: 18:45 07/08 Time Off: 01:53 07/09
Time On Bottom: 21:51 07/08 Time Off Bottom: 23:21 07/08

Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 48 **Filtrate:** 10.4 **Chlorides:** 10000 ppm



**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE
July
09
2017

DST #2 Formation: Reagan Test Interval: 3528 - 3564' Total Depth: 3644'

Time On: 14:26 07/09 Time Off: 23:35 07/09
Time On Bottom: 17:57 07/09 Time Off Bottom: 20:25 07/09

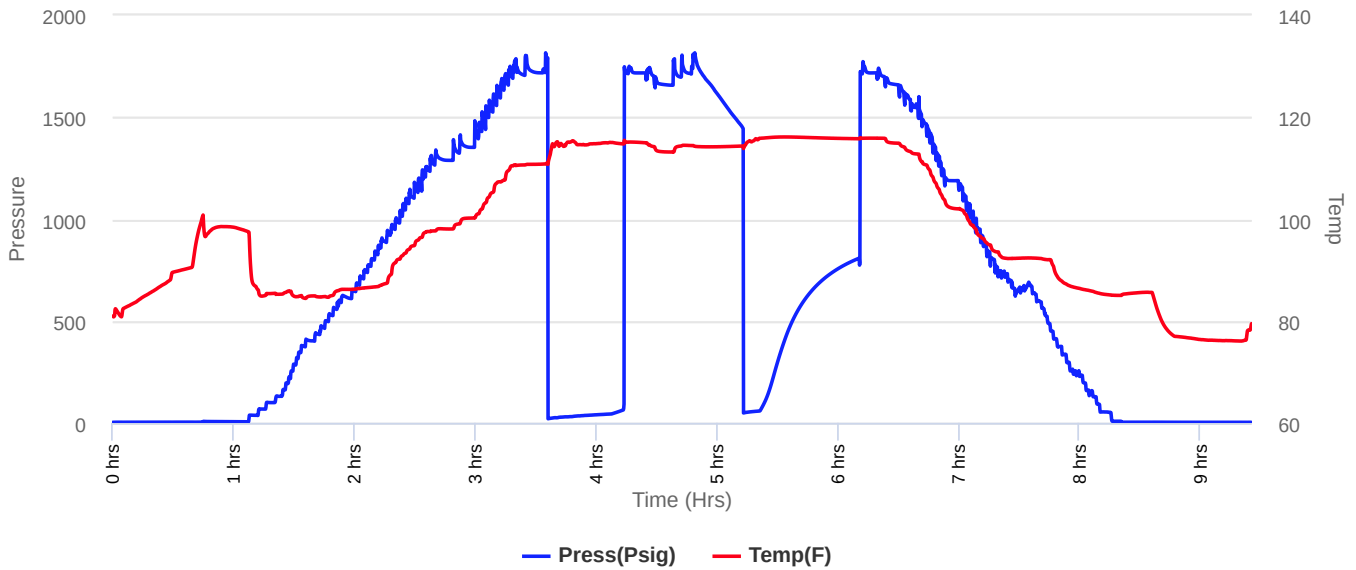
Electronic Volume
Estimate:
94'

1st Open
Minutes: 30
3.6" at 30 min

1st Close
Minutes: 5
0" at 5 min

2nd Open
Minutes: 5
.5" at 5 min

2nd Close
Minutes: 45
0" at 45 min





**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE
July
09
2017

DST #2 **Formation: Reagan** **Test Interval: 3528 - 3564'** **Total Depth: 3644'**
Time On: 14:26 07/09 Time Off: 23:35 07/09
Time On Bottom: 17:57 07/09 Time Off Bottom: 20:25 07/09

Recovered

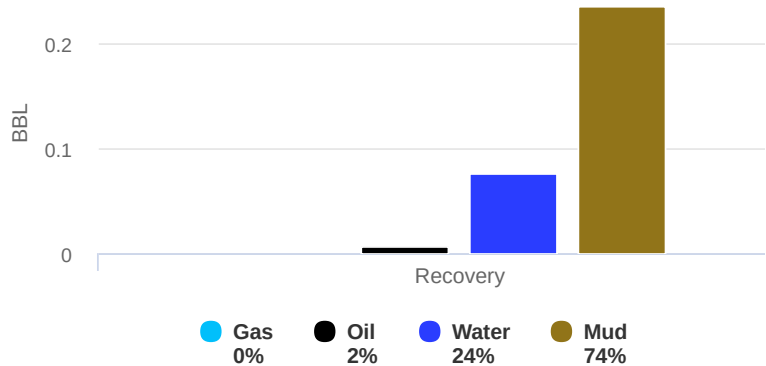
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
65	0.3198	SLOCWCM	0	2	24	74

Total Recovered: 65 ft
Total Barrels Recovered: 0.3198

Reversed Out
NO

Initial Hydrostatic Pressure	1720	PSI
Initial Flow	20 to 44	PSI
Initial Closed in Pressure	71	PSI
Final Flow Pressure	49 to 59	PSI
Final Closed in Pressure	807	PSI
Final Hydrostatic Pressure	1718	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling, LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE
July
09
2017

DST #2 Formation: Reagan Test Interval: 3528 - 3564' Total Depth: 3644'

Time On: 14:26 07/09 Time Off: 23:35 07/09
Time On Bottom: 17:57 07/09 Time Off Bottom: 20:25 07/09

REMARKS:

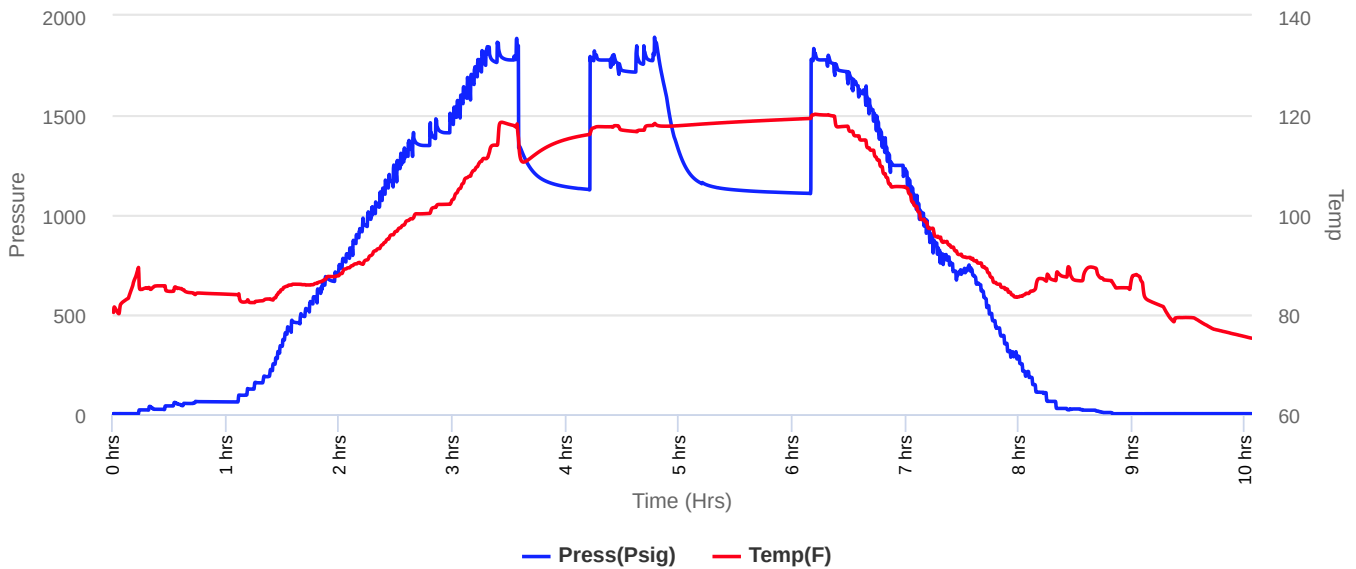
TOOL SAMPLE: 3% OIL, 31% WATER, 66% MUD

Ph: 10

RW: 3.5 @ 80 degrees F

Chlorides: 16000 ppm

Below Straddle Recorder





**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE
July
09
2017

DST #2 Formation: Reagan Test Interval: 3528 - 3564' Total Depth: 3644'

Time On: 14:26 07/09 Time Off: 23:35 07/09
Time On Bottom: 17:57 07/09 Time Off Bottom: 20:25 07/09

Down Hole Makeup

Heads Up: 27.29 FT	Packer 1: 3522.5 FT
Drill Pipe: 3424.22 FT <i>ID-3 1/2</i>	Packer 2: 3528 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Packer 3: 3564 FT
Collars: 87 FT <i>ID-2 1/4</i>	Top Recorder: 3511.42 FT
Test Tool: 45.07 FT <i>ID-3 1/2-FH Jars Safety Joint</i>	Bottom Recorder: 3533 FT
Total Anchor: 36	Below Straddle Recorder: 3631 FT
	Well Bore Size: 8 3/4
	Surface Choke: 1"
	Bottom Choke: 5/8"

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT
4 1/2-FH

Change Over: FT

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

Change Over: FT

Perforations: (below): 32 FT
4 1/2-FH

STRADDLE

Straddle Packer(s): 1 FT

Change Over: 1 FT

Drill Pipe: 63.5 FT
ID-3 1/2"

Change Over: .5 FT

Perforations (in tail pipe): 14 FT
4 1/2-FH



**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE July 09 2017
--

DST #2 Formation: Reagan Test Interval: 3528 - 3564' Total Depth: 3644'

Time On: 14:26 07/09 Time Off: 23:35 07/09
Time On Bottom: 17:57 07/09 Time Off Bottom: 20:25 07/09

Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 60 **Filtrate:** 10.4 **Chlorides:** 11000 ppm



Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: SWOB #3
Well Id: 564' FSL & 2310 FWL SEC. 26-TWP 18 S -RGE 16 W
Location: 15-165-22147
License Number: 15-165-22145
Spud Date: 7/5/2017
Surface Coordinates:
Region: RUSH CO., KS
Drilling Completed: 07/09/17

Bottom Hole
Coordinates:
Ground Elevation (ft): 1941' K.B. Elevation (ft): 1950'
Logged Interval (ft): 1500 To: TD Total Depth (ft): 3644'
Formation: REAGAN SAND
Type of Drilling Fluid: CHEMICAL MUD

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

OPERATOR

Company: BLACKSTONE PETROLEUM LLC
Address: 363 N VASSAR ST
WICHITA, KANSAS 67208

GEOLOGIST

Name: Chris Leiker
Company: Black Stone Petroleum
Address: 2542 North Longfellow wichita KS 67226

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst

- Coal
- Congl
- Dol
- Gyp
- Igne

- Lmst
- Meta
- Mrlst
- Salt
- Shale

- Shcol
- Shgy
- Sltst
- Ss
- Till

ACCESSORIES

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite

- Plant
- Strom

MINERAL

- Oolitic
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr

- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

STRINGER

- Anhy
- Arg
- Bent

- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOW

- Oil
- Spotted
- Ques
- Oil-gas
- Gas
- Tar

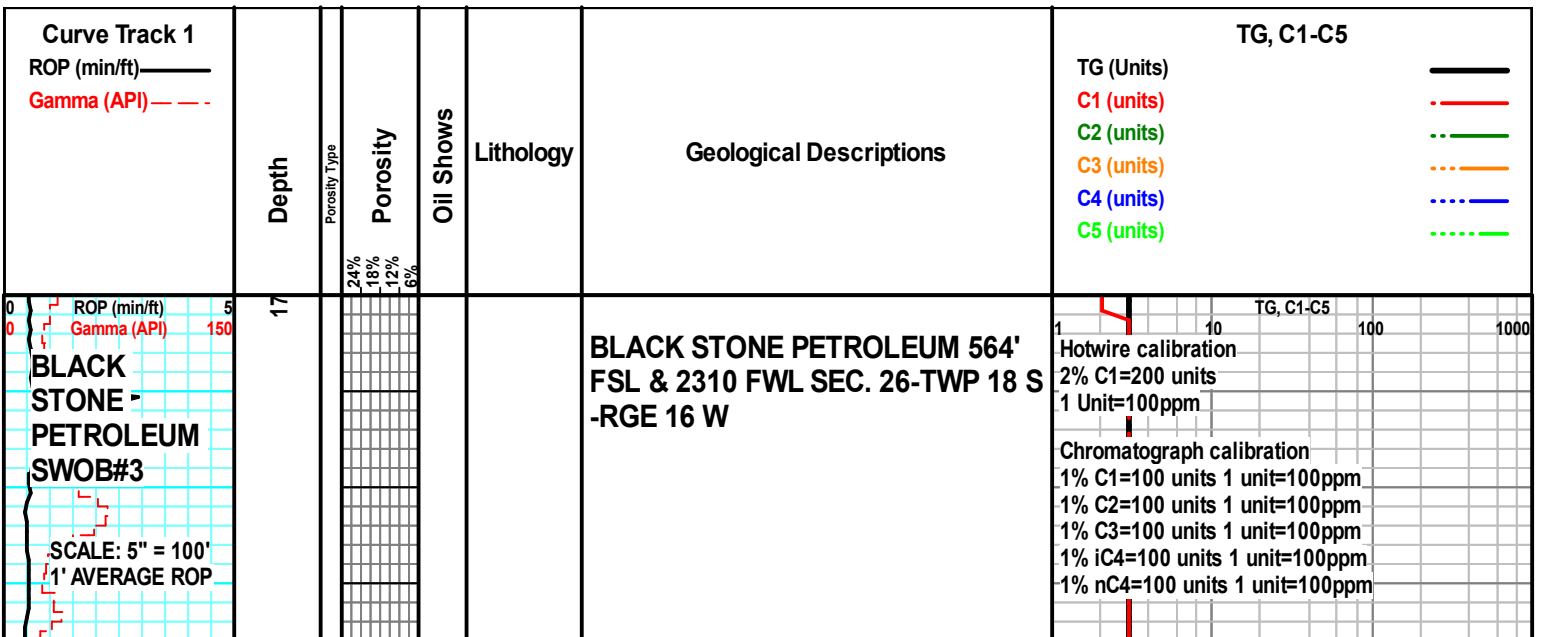
INTERVAL

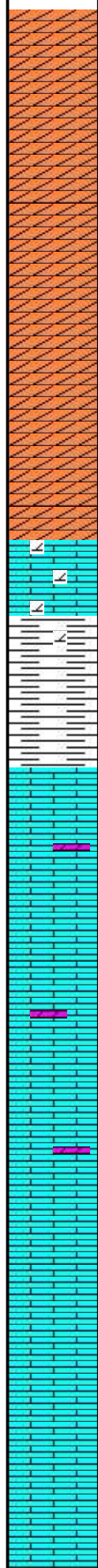
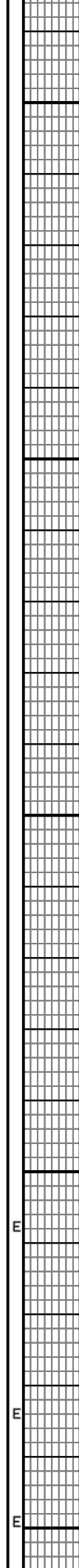
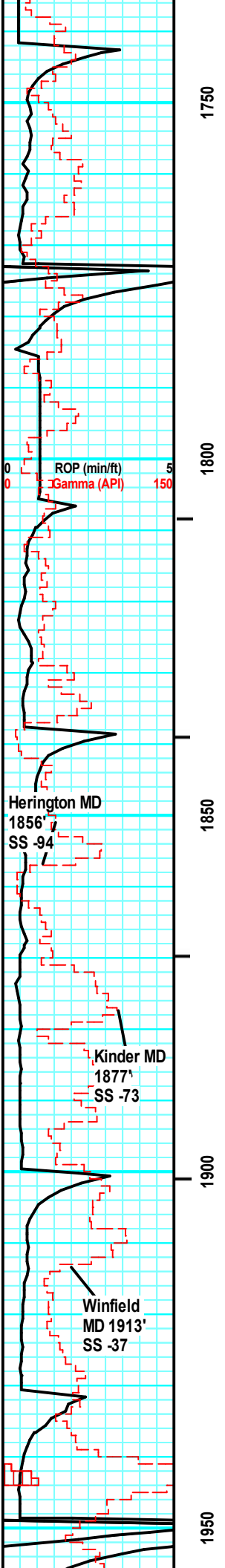
- Core

- Dst

EVENT

- Connection
- Rft
- Sidewall





ANHYDRITE, clr, wht, SHALE red, grey, silty sandy in part,

AA

AA

LIMESTONE, dolomitic, grey, firm, vf - med grn, NO SHOW, NO FLUORESECE, NO ODOR,

LIMESTONE, dolomitic, grey, firm, very fine - medium grain, NSFO

LIMESTONE, dolomitic, some greyish brown, grey, firm, very fine - medium grain, NSFO

LIMESTONE, dolomite greyish brown, grey, some darker grey pelloids, firm, very fine - medium grain, some pinpoint porosity, NSFO

CFS Sample Limestone and Dolomite as above, with rare dull vello Fluoresence. NO Show. No

Geologist on location ON 07/6/2017

HW = Black
C1 = Blue
C2 = Yellow
C3 = Green
iC4 = Red
nC4 = Orange

1 10 TG, C1-C5 100 1000

Checked the extractor at flow line no indication of malfunction. Bubbles were present in the antifreeze bowl.

Checked the extractor at flow line no indication of malfunction. Bubbles were present in the antifreeze bowl. Lowered extractor still no change in gas response.

Adjusted extractor height and performed trap test. Functioning properly.

Gas Bubbles, No Odor

LIMESTONE, dolomitic, tan, cream, greyish brown, grey, some darker grey pelloids, firm, very fine - medium grain, sm fossil fragments, some pinpoint porosity, NSFO

LIMESTONE, dolomite greyish brown, grey, some darker grey pelloids, firm, very fine - medium grain, some pinpoint porosity, NSFO

LIMESTONE, dolomite greyish brown, grey, some darker grey pelloids, firm, very fine - medium grain, some pinpoint porosity, NSFO

LIMESTONE, dolomite greyish brown, grey, some darker grey pelloids, firm, very fine - medium grain, some pinpoint porosity, NSFO

LIMESTONE, dolomite greyish brown, grey, some darker grey pelloids, firm, very fine - medium grain, some pinpoint porosity, NSFO

TG, C1-C5

1 10 100 1000

2000

2050

2100

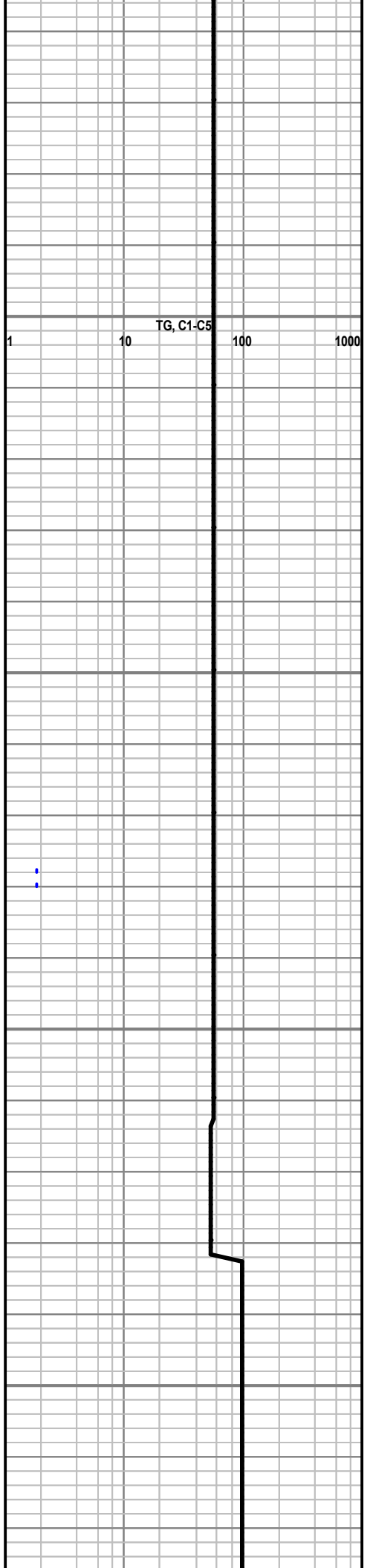
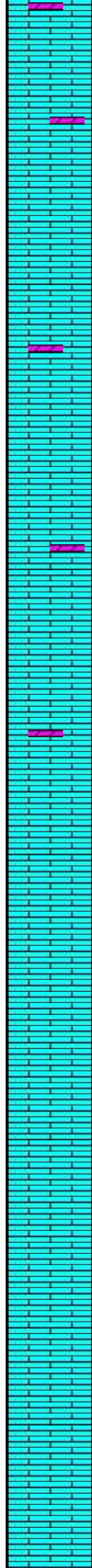
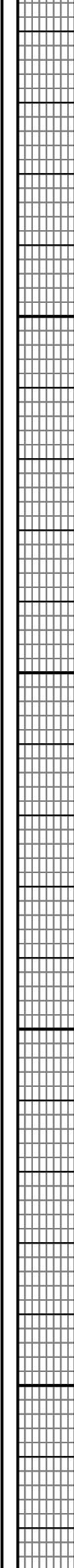
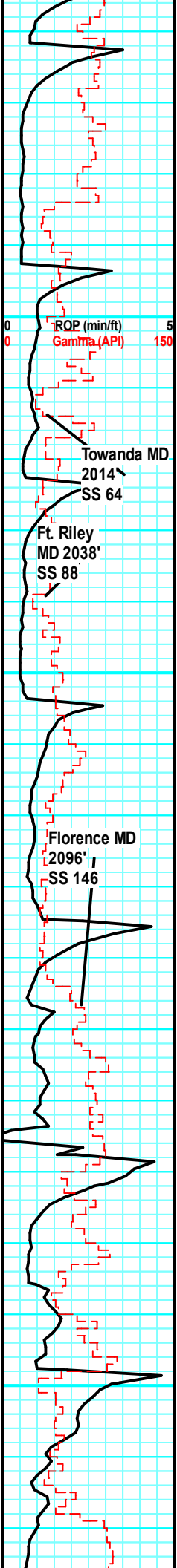
2150

ROP (min/ft) 5
Gamma (API) 150

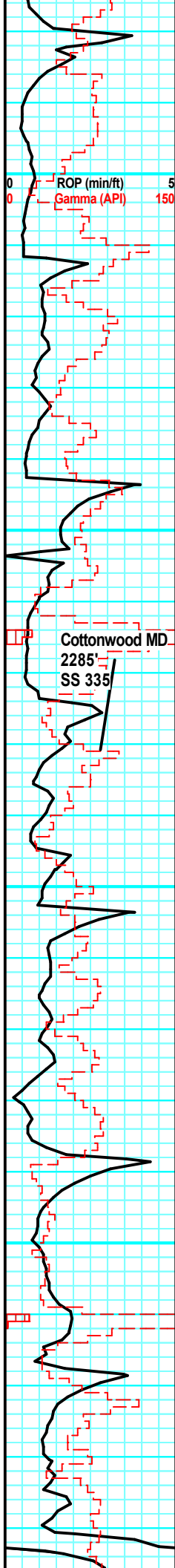
Towanda MD
2014'
SS 64

Ft. Riley
MD 2038'
SS 88

Florence MD
2096'
SS 146



LIMESTONE, dolomite greyish brown, grey, some darker grey pelloids, firm, very fine - medium grain, some pinpoint porosity, NSFO



2200

2250

2300

2350

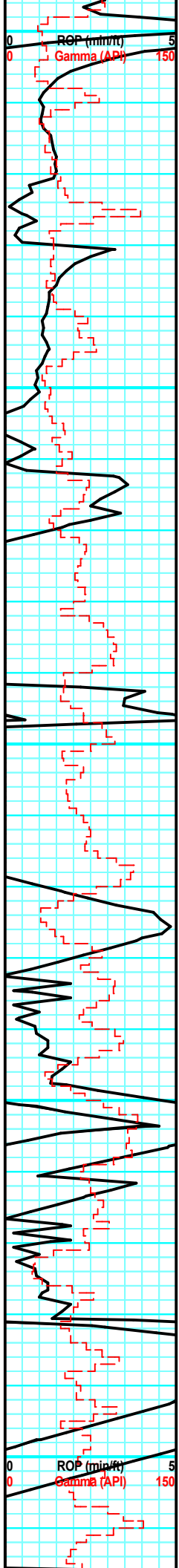
TG, C1-C5

1 10 100 1000

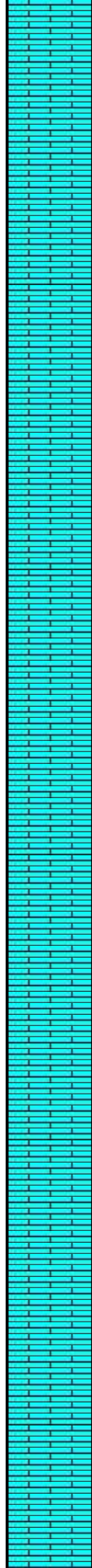
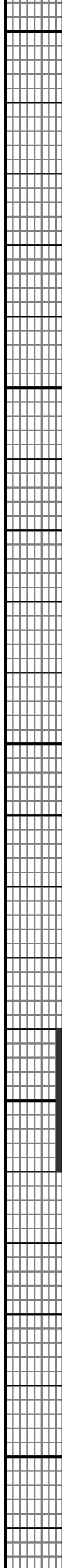
LIMESTONE, dolomite greyish brown, grey, some darker grey pelloids, firm, very fine - medium grain, some pinpoint porosity, NSFO

Cottonwood MD.
2285'
SS 335'

Limestone: Cream, light to medium tan, light brown, chalky, blocky subblocky, fine crystalline, poor porosity, oil smell.



2400
2450
2500
2550
2600

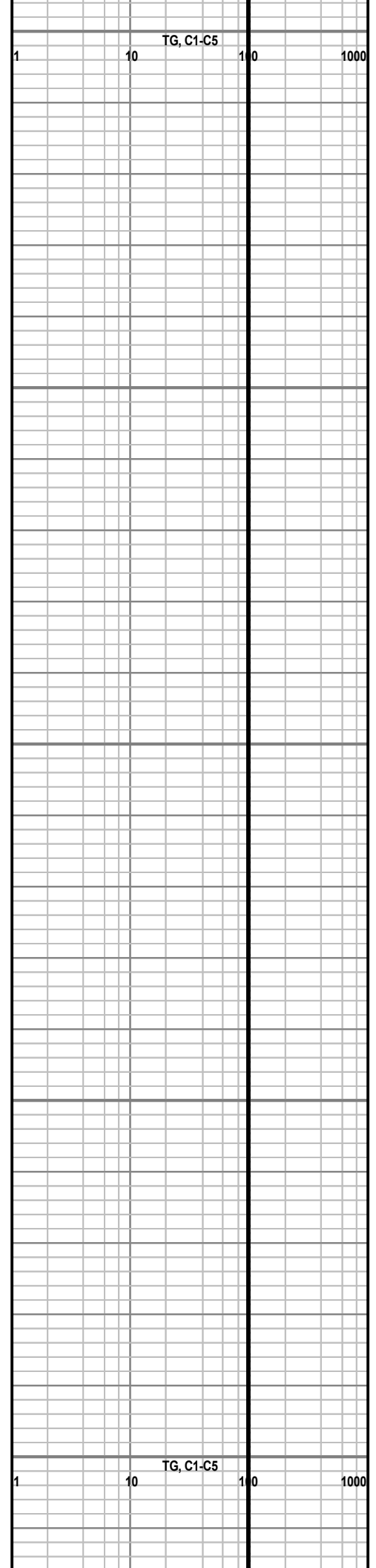


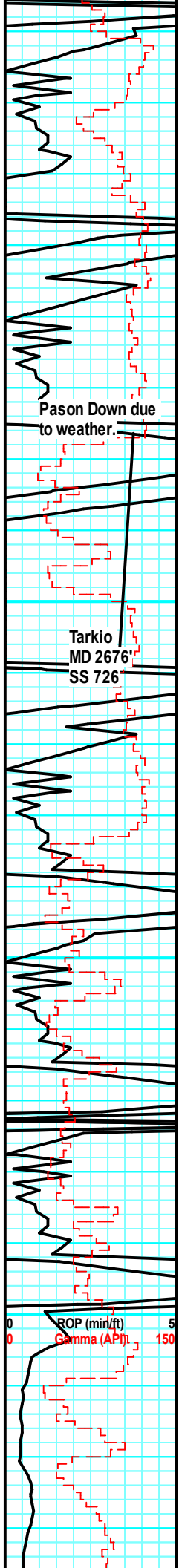
Limestone: Cream, light to medium tan, light brown, chalky, blocky subblocky, fine crystalline, poor porosity, oil show.

Limestone: Cream, light to medium tan, light brown, chalky, blocky subblocky, fine crystalline, poor porosity, oil show.

Limestone, Shale stained lime, no shows

Trash sample





2650

2700

2750

2800

Pason Down due to weather.

Tarkio
MD 2676'
SS 726'

Cherty Limestone

Limestone: Cream, light to medium tan, light brown, chalky, blocky subblocky, fine crystalline, good porosity, oil show. Moderate oil smell.

Limestone: Cream, light to medium tan, light brown, chalky, blocky subblocky, fine crystalline, good porosity, oil show.

Limestone: Cream, light to medium tan, light brown, chalky, blocky subblocky, fine crystalline, good porosity, oil show.

Limestone, shale

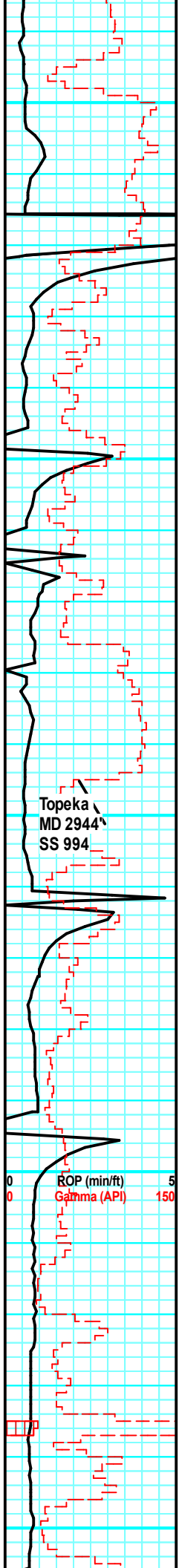
Trash sample

Limestone, soft gummy

Limestone, dead oil

TG, C1-C5

1 10 100 1000



2850

2900

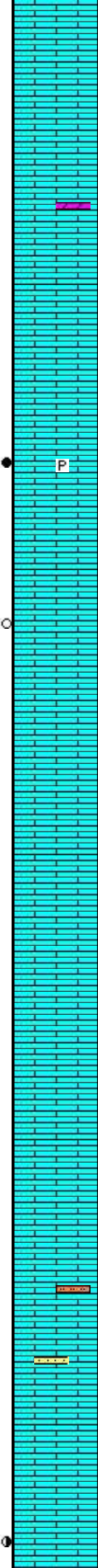
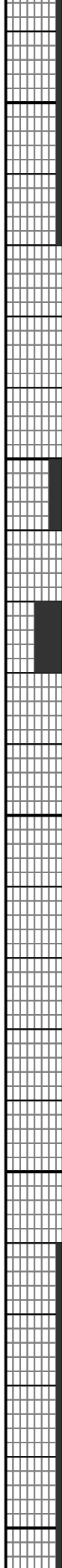
2950

3000

3050

Topeka
MD 2944
SS 994

ROP (min/ft) 5
Gamma (API) 150



Limestone, dolomitic, greyish brown, grey. no shows

P Limestone, pyrite, oil stain

O Limestone, dead oil stain

Limestone, dolomitic, greyish brown, grey, no show.

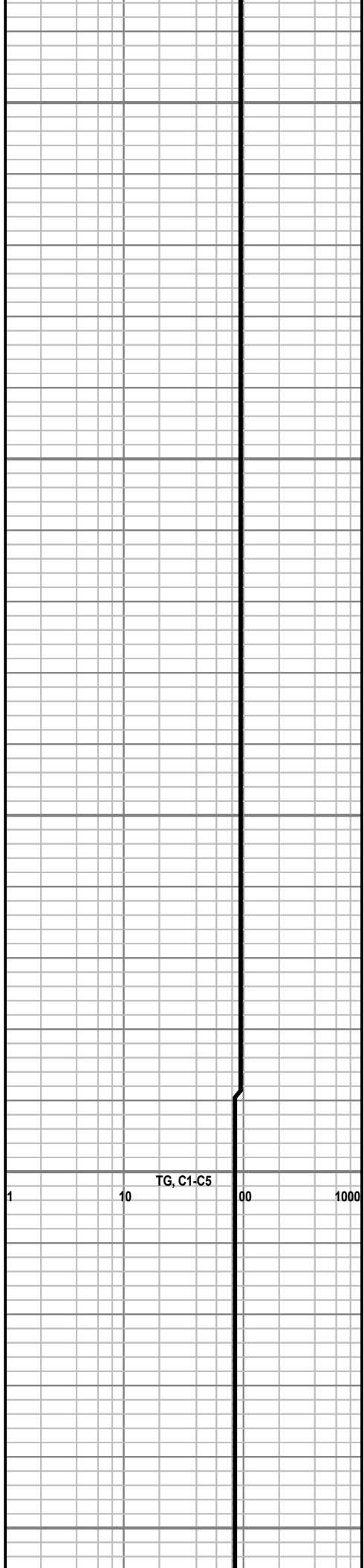
Limestone, grey, cherty

Limestone, dark grey, no shows

Limestone: Dark grey, chalky, blocky, poor porosity, no show

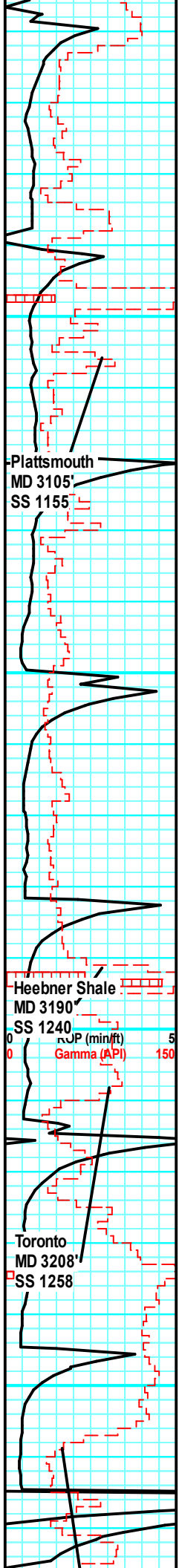
Limestone: Medium gray tan, chalky, blocky to subblocky, very fine crystalline, moderate rust orange siltstone, trace light gray, dark brown, calcareous sandstone, poor porosity, no show.

Limestone: Light gray, tan, subblocky, fair crystalline, poor porosity, faint oil show.



TG, C1-C5

1 10 100 1000



3100

3150

3200

3250

Limestone: Light gray, cream, off white, blocky, fair crystalline, poor porosity, faint oil show.

Limestone: Light gray, tan, subblocky to blocky, fair crystalline, poor porosity, no show.

Limestone: Light gray, tan, subblocky, fair crystalline, poor porosity, no show.

Limestone: Light gray, tan, subblocky, fair crystalline, poor porosity, no show.

Limestone: Light gray, tan, subblocky, fair crystalline, poor porosity, oil smell.

Limestone: Light gray, tan blocky, fair crystalline, poor porosity, very faint oil show in rock.

Limestone: Light gray, tan blocky, fair crystalline, poor porosity, very faint oil show in rock.

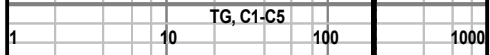
Limestone: Cream, light to medium tan, light brown, chalky, blocky subblocky, fine crystalline, poor porosity, oil show.

Limestone: Cream, light to medium tan, light brown, chalky, blocky subblocky, fine crystalline, poor porosity, oil show.

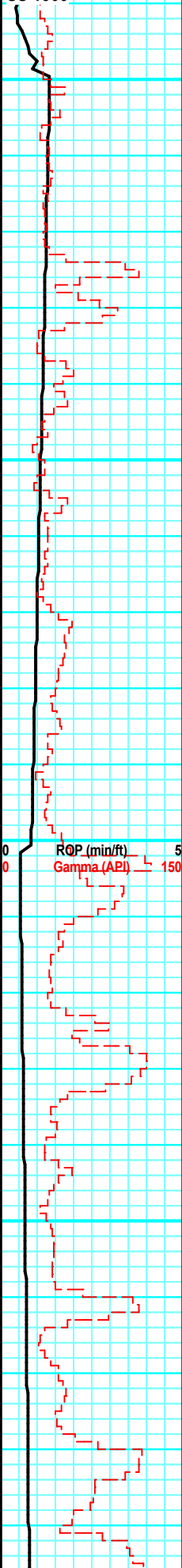
Limestone: Light gray, cream, off white, blocky, fair crystalline, poor porosity, faint oil show.

Limestone: Cream, offwhite, blocky, fair crystalline, poor porosity, faint oil shows.

Limestone: Light gray, offwhite, cream tan, blocky, fair crystalline, fair porosity moderate oil shows.



Lansing-Kansas City
MD 3259'
SS 1309



3300

3350

3400

3450

Limestone: Light gray, offwhite, cream tan, blocky, fair crystalline, fair porosity moderate oil shows.

Limestone: Light gray, offwhite, cream tan, blocky, fair crystalline, fair porosity oil shows.

Limestone: Tan cream, light brown, subblocky, fine crystalline, poor porosity, no oil show.

Limestone: Offwhite, light gray, blocky, fair crystalline, poor porosity, faint oil shows.

Limestone: Offwhite, light gray, blocky, fair crystalline, poor porosity, faint oil shows.

Limestone: Offwhite, light gray, blocky, fair crystalline, poor porosity, faint oil shows.

Limestone: Offwhite, light gray, blocky, fair crystalline, poor porosity, faint oil shows.

Limestone: Offwhite, light gray, blocky, fair crystalline, poor porosity, faint oil shows.

Limestone: Cream, light to medium tan, light brown, fine crystalline, poor porosity, oil show.

Limestone: Cream, light to medium tan, light brown, chalky, fine crystalline, poor porosity, oil show.

TG, C1-C5
1 10 100 1000

