

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 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	Black Stone Petroleum LLC
Well Name	SWOB 1
Doc ID	1357063

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3568-3580		



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SWOB1DST1

TIME ON: 23:35 4/16
TIME OFF: 06:06 4/17

Company Black Stone Petroleum LLC Lease & Well No. SWOB #1
Contractor Landmark Rig #6 Charge to Black Stone Petroleum LLC
Elevation 1973' KB Formation Reagan Effective Pay _____ Ft. Ticket No. F476
Date 4/17/17 Sec. 26 Twp. 18 S Range 16 W County Rush State KANSAS
Test Approved By Chris Leiker Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 3577 ft. to 3593 ft. Total Depth 3593 ft.
Packer Depth 3572 8" ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3577 8" ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3579 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3580 ft. Recorder Number 5586 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 38 Drill Collar Length 87 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 47,000 P.P.M. Drill Pipe Length 3,462 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 5 J,SJ, 8" pkrs Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? ----- Reversed Out ----- Anchor Length 16 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Slow building blow, increased to 5.25"
2nd Open: _____

Recovered 160 ft. of WM w/TR oil specks < oil, >44 wtr, % mud
Recovered _____ ft. of _____
Recovered _____ ft. of GAS IN PIPE: ~100'
Recovered _____ ft. of _____

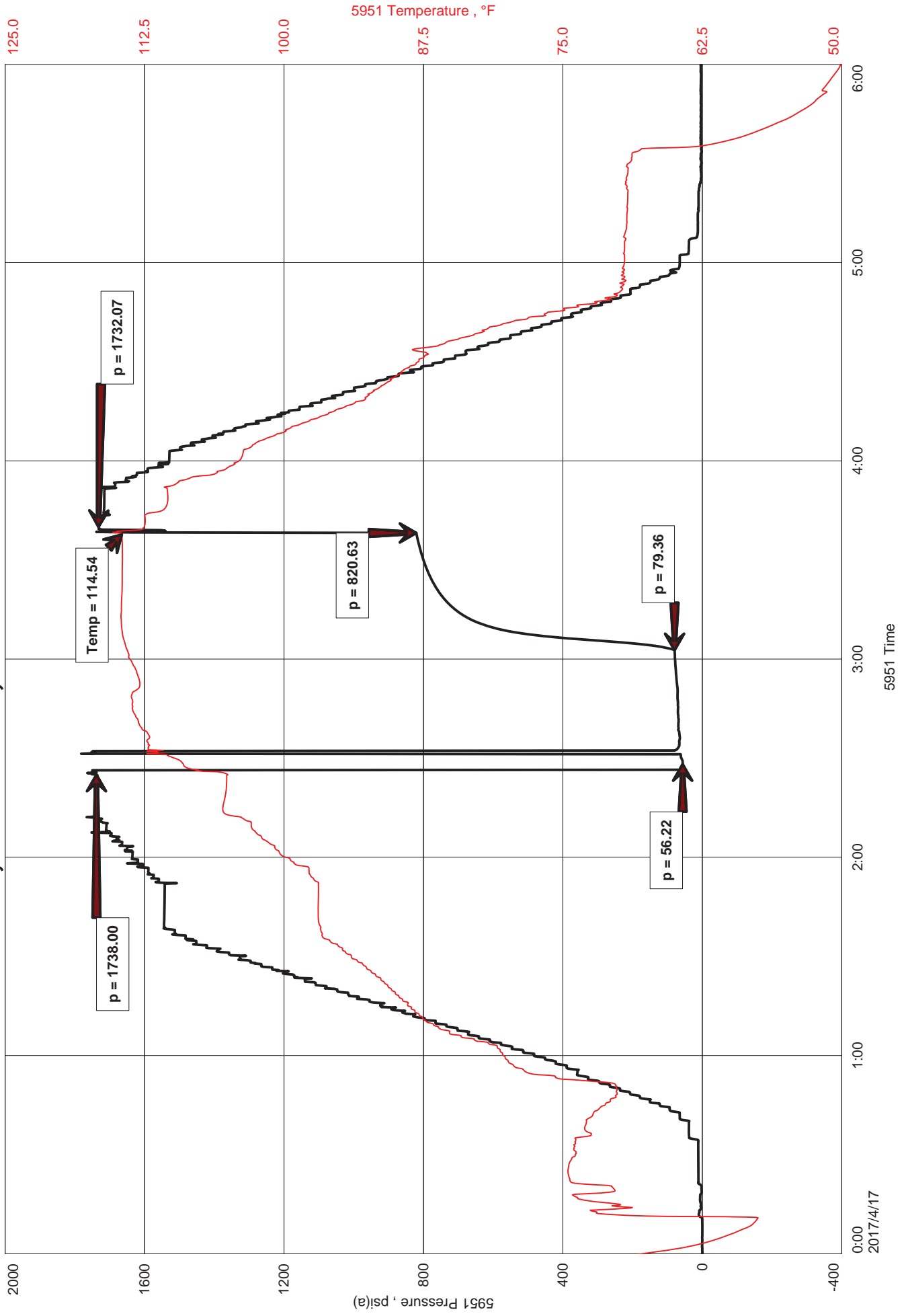
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>CHLORIDES: 93,000 PPM</u>	Insurance
<u>RW: .12 ohm @ 50 F</u>	
<u>PH: 7.0</u>	Total

Time Set Packer(s) 02:35 A.M. P.M. Time Started Off Bottom 03:35 A.M. P.M. Maximum Temperature 115 F

Initial Hydrostatic Pressure..... (A) 1738 P.S.I.
Initial Flow Period..... Minutes 30 (B) 56 P.S.I. to (C) 79 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 821 P.S.I.
Final Flow Period..... Minutes ----- (E) ----- P.S.I. to (F) ----- P.S.I.
Final Closed In Period..... Minutes ----- (G) ----- P.S.I.
Final Hydrostatic Pressure..... (H) 1732 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DST #1, SWOB #1, REAGAN 3577'-3593'





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: SWOB1DST1

ON LOCATION: 16:15 4/16
 START RECORDERS: 23:35
 STOP RECORDERS: 06:06 4/17

Company BLACK STONE PETROLEUM LLC Lease & Well No. SWOB #1
 Contractor LANDMARK REG # 6 Charge to BLACK STONE PETROLEUM LLC
 Elevation 1973' KB Formation REAGAN Effective Pay _____ Ft. Ticket No. F476
 Date 4/17/17 Sec. 26 Twp. 18S Range 16W County RUSH State KS
 Test Approved By CHRIS LEIKER Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 3577 ft. to 3593 ft. Total Depth 3593 ft.
 Packer Depth 3572 ft. Size 6 3/4 8 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3577 ft. Size 6 3/4 8 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3579 ft. Recorder Number 5591 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3580 ft. Recorder Number 5580 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 38 Drill Collar Length 87 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 47,000 P.P.M. Drill Pipe Length 3462 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 JJS 8" PKRS Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 16 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SLOW BUILDING BLOW, INCREASED TO 5 1/4"
 2nd Open: _____

Recovered 160 ft. of WM w/TR OIL SPEKS 51" oil, 244" WTR, 55" mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of GAS IN PIPE : ≈ 100' Price Job 4 3/4 HR STANDBY TIME
 Other Charges _____

Remarks: CHLORIDES : 93,000 PPM JJS 8" PKRS
RW: .12 Ω @ 50°F 50 MRT (HOLES)
PH: 7.0 Total _____

Time Set Packer(s) 02:35 A.M. P.M. Time Started Off Bottom 03:35 A.M. P.M. Maximum Temperature 115°F

Initial Hydrostatic Pressure..... (A) 1738 P.S.I.

Initial Flow Period..... Minutes 30 (B) 56 P.S.I. to (C) 79 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 821 P.S.I.

Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.

Final Closed In Period..... Minutes _____ (G) _____ P.S.I. Thanks!

Final Hydrostatic Pressure..... (H) 1732 P.S.I. Jake Fahrenbruch

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	SWOB #1
Company Name	Black Stone Petroleum LLC
Formation	DST #1, Reagan 3577'-3593'
Test Type	Bottom-Hole w/J,SJ, 8" Pkrs
Surface Location	Sec 26-18s-16w-Rush Co.-KS
KB Elevation (SL)	1973.000
Gauge Name	5951
Start Test Date	2017/04/14
Start Test Time	23:35:00
Final Test Date	2017/04/17
Final Test Time	06:06:00
Job Number	F476
Contact	Chris Leiker
Site Contact	Bob Bayer

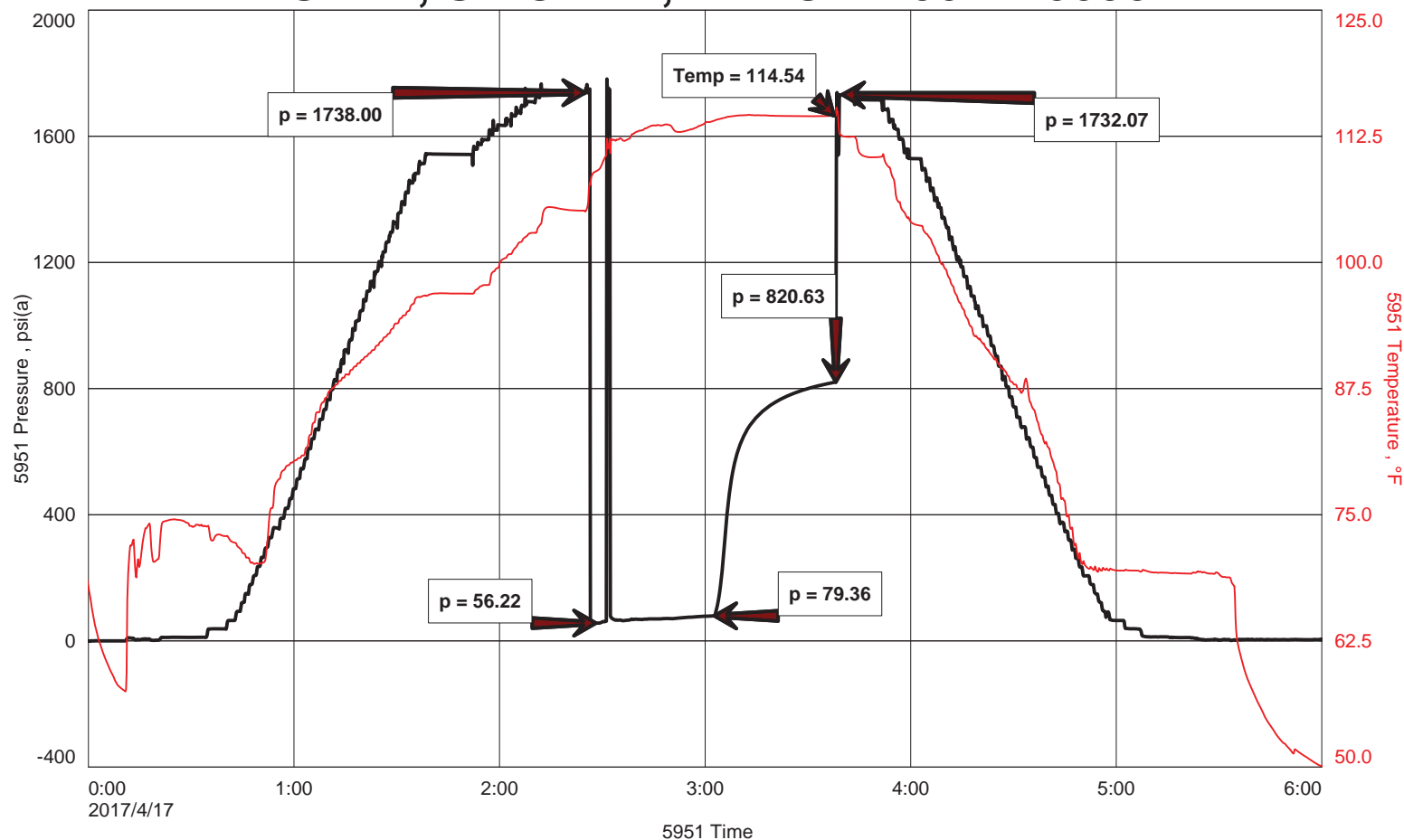
TEST RESULTS

Initial flow, slow building blow, increased to 5.25".
No final flow.

Recovered 160' of WM w/TR oil specks. <1% oil, >44% wtr, 55% mud.
Gas In Pipe: ~100'

Chlorides: 93,000 PPM
RW: .12 ohm @ 50 F
PH: 7.0

DST #1, SWOB #1, REAGAN 3577'-3593'





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

Well Name: SWOB #1
Well Id: 15-165-22144
Location: 407' FSL & 523' FWL SEC. 26 - T 18 S - R 16W
License Number: 15-165-22144
Spud Date: 4/13/2017
Region: RUSH CO., KS
Drilling Completed: 4/17/2017
Surface Coordinates:

Bottom Hole
Coordinates:
Ground Elevation (ft): 1,962' K.B. Elevation (ft): 1,971'
Logged Interval (ft): 1700 To: TD Total Depth (ft): 3,619'
Formation: REAGAN SAND
Type of Drilling Fluid: CHEMICAL MUD

Printed by MUD.LOG 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: ROBERT P. (BOB) BAYER II
Company:
Address: 10119 W. Harvest
Wichita, Kansas 67212

Summary

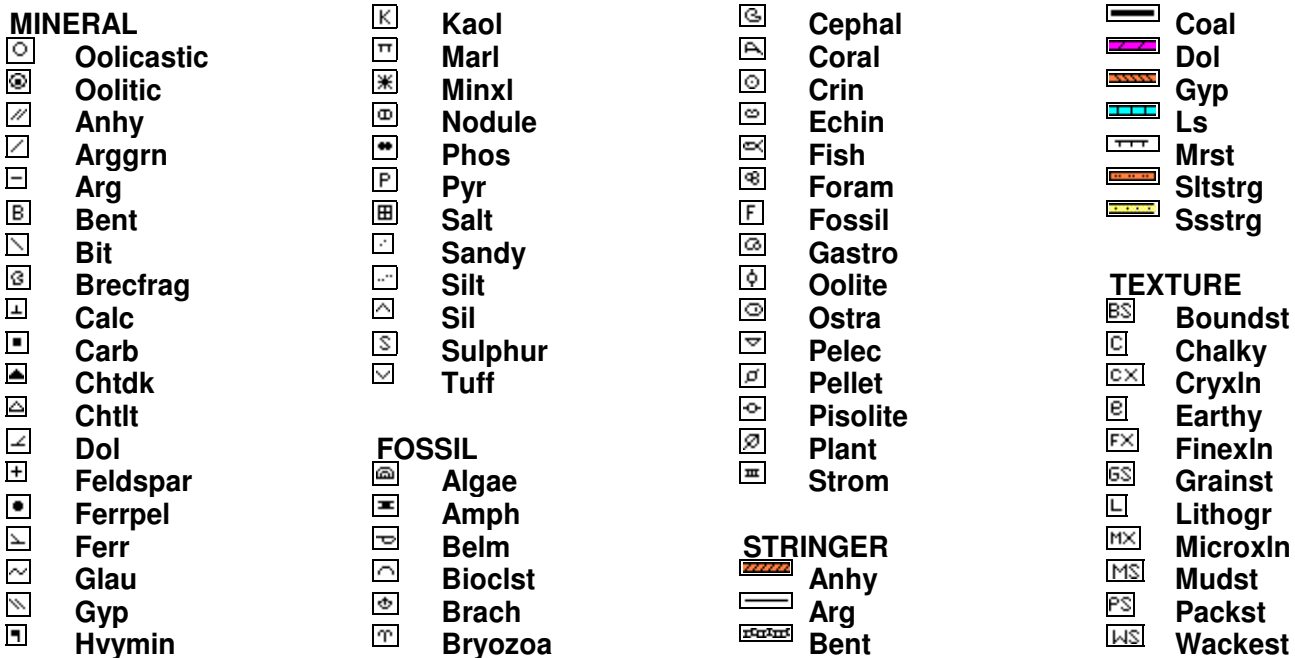
DSTs

Comments

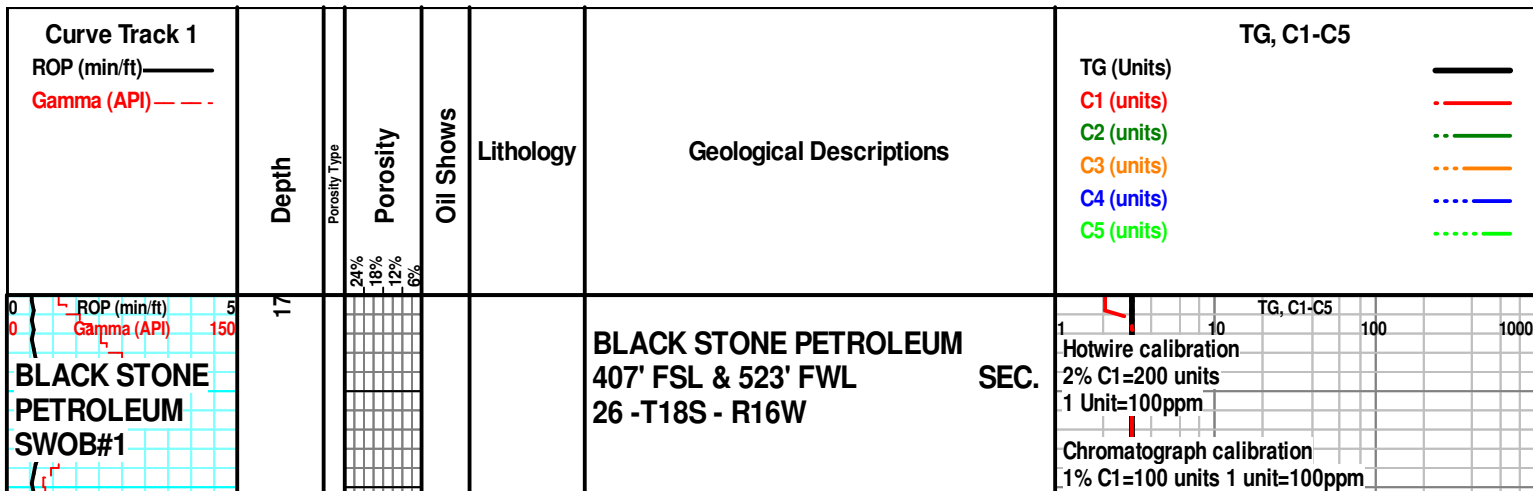
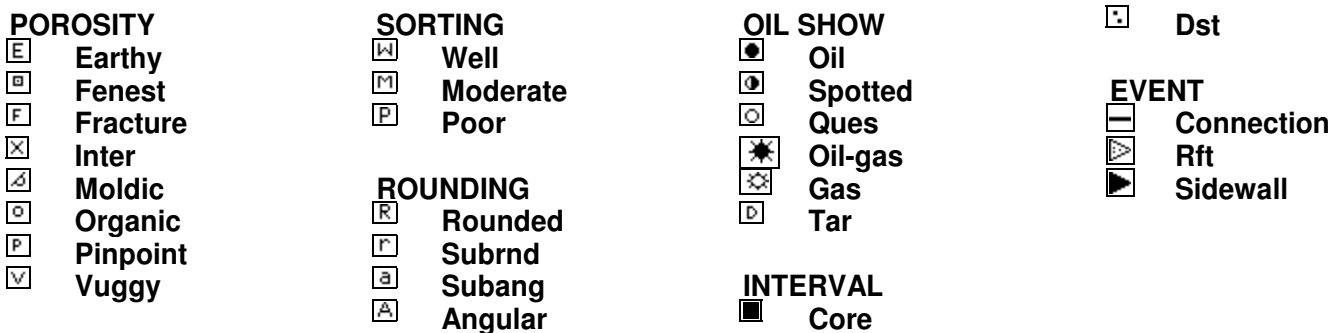
ROCK TYPES



ACCESSORIES



OTHER SYMBOLS



SCALE: 5" = 100'
1' AVERAGE ROP

KB 1971

1750

1800

1850

1900

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

Herington MD
1886' /
TVD +83

Krider
MD 1908'
TVD +63

E

E

C

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

AA

AA

LIMESTONE, dolomitic, grey, firm, vf - med grn, NO SHOW, NO FLUORESENCE, NO ODOR, (NSFO)

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

1% C2=100 units 1 unit=100ppm
1% C3=100 units 1 unit=100ppm
1% iC4=100 units 1 unit=100ppm
1% nC4=100 units 1 unit=100ppm

Geologist on location at 5:30 p.m. 4/14/2017

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

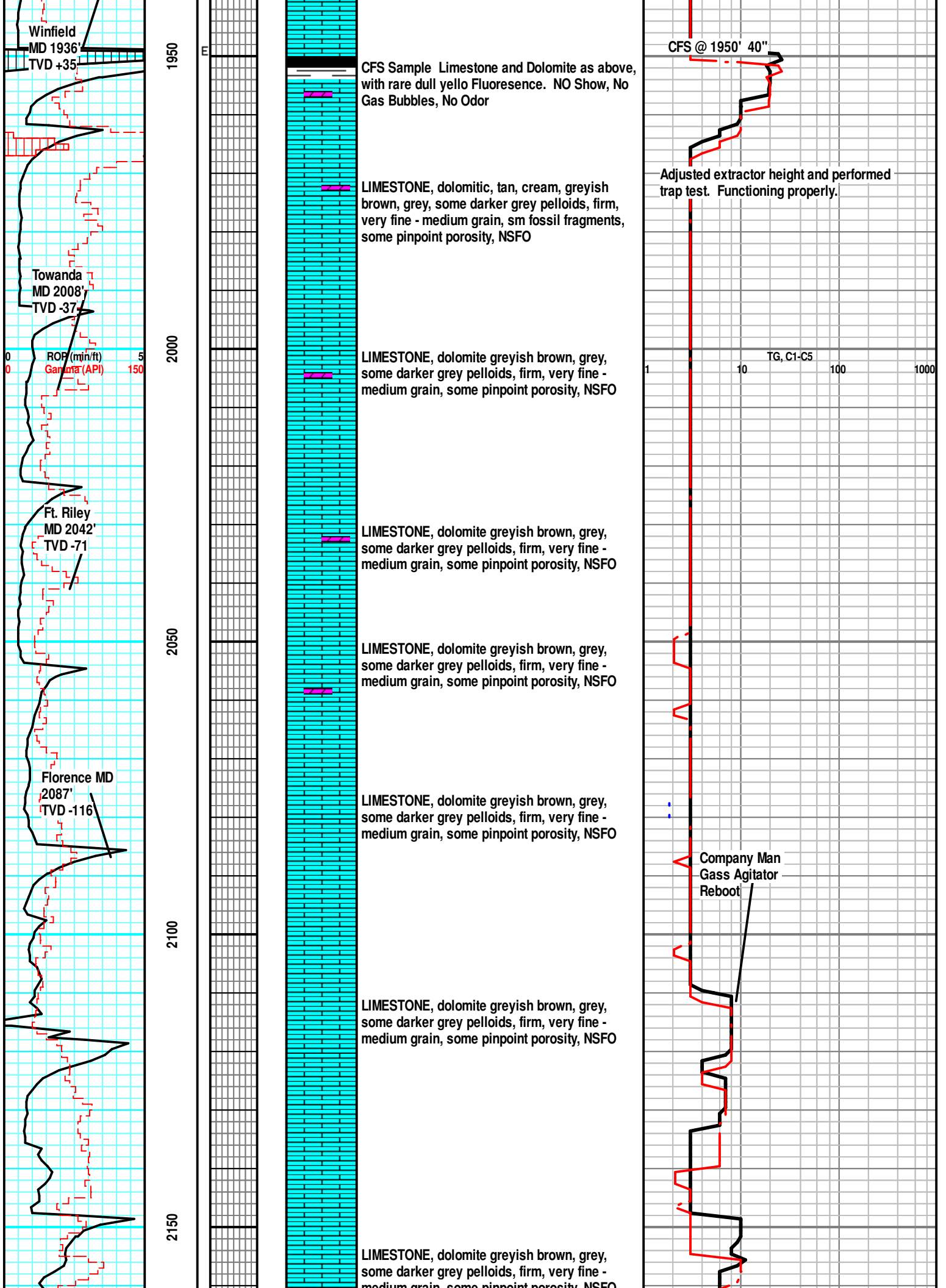
MUD DATA@ 2200': VIS 30, WT 8.9,
CL 150,000, LCM tr
4/15/2017 12:30 p.m.

TG, C1-C5

Background gas 3 units

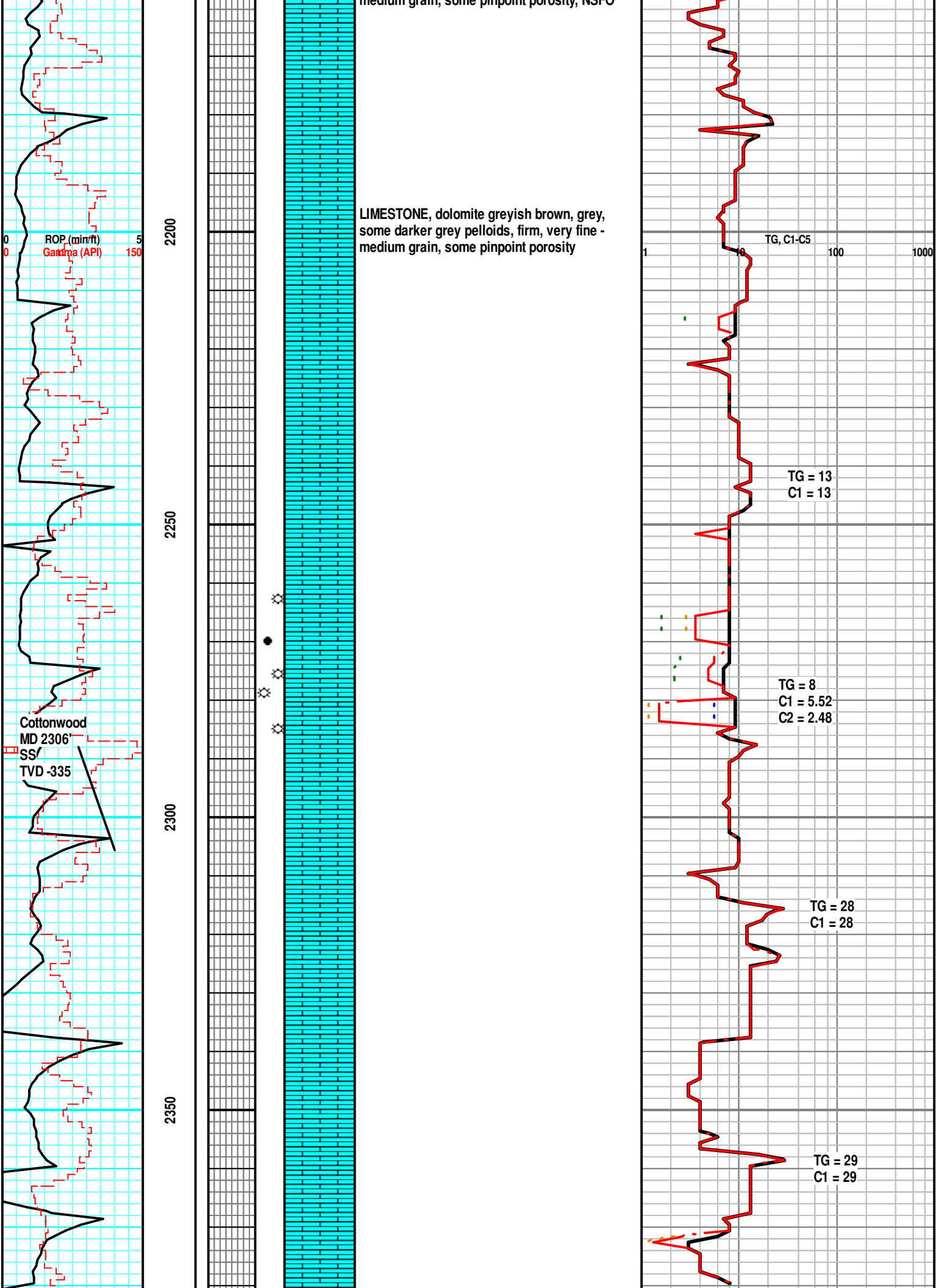
Checked the extractor at flow line no indication of malfunction. Bubbles were present in the antifreeze bowl.

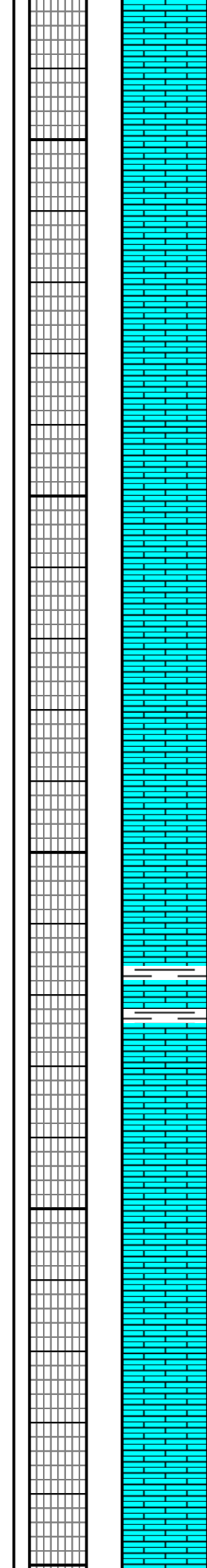
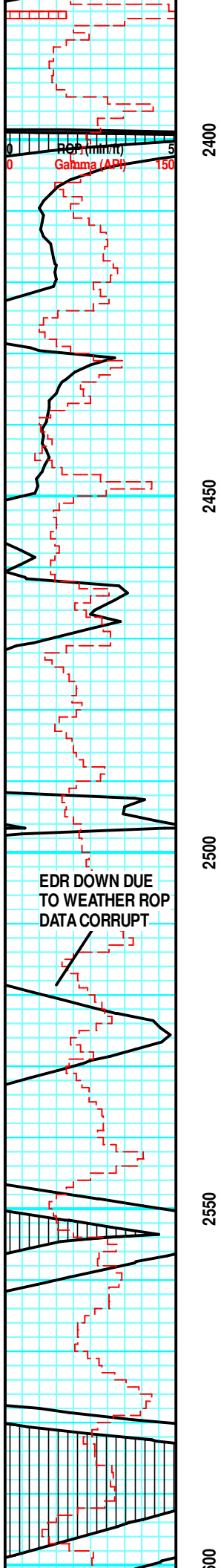
Checked the extractor at flow line no indication of malfunction. Bubbles were present in the antifreeze bowl. Lowered extractor still no change in gas response.



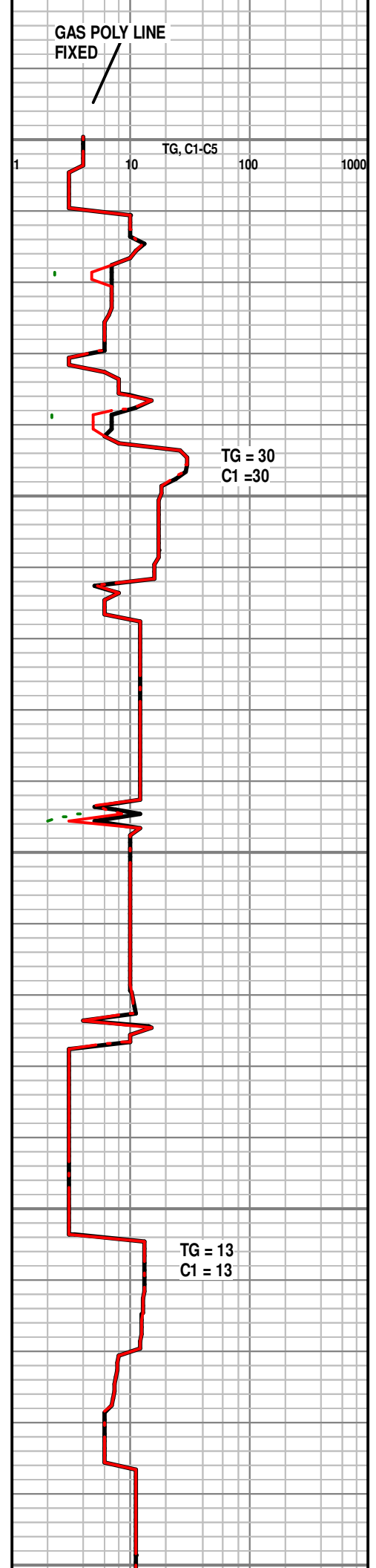
medium grain, some pinpoint porosity, NSFO

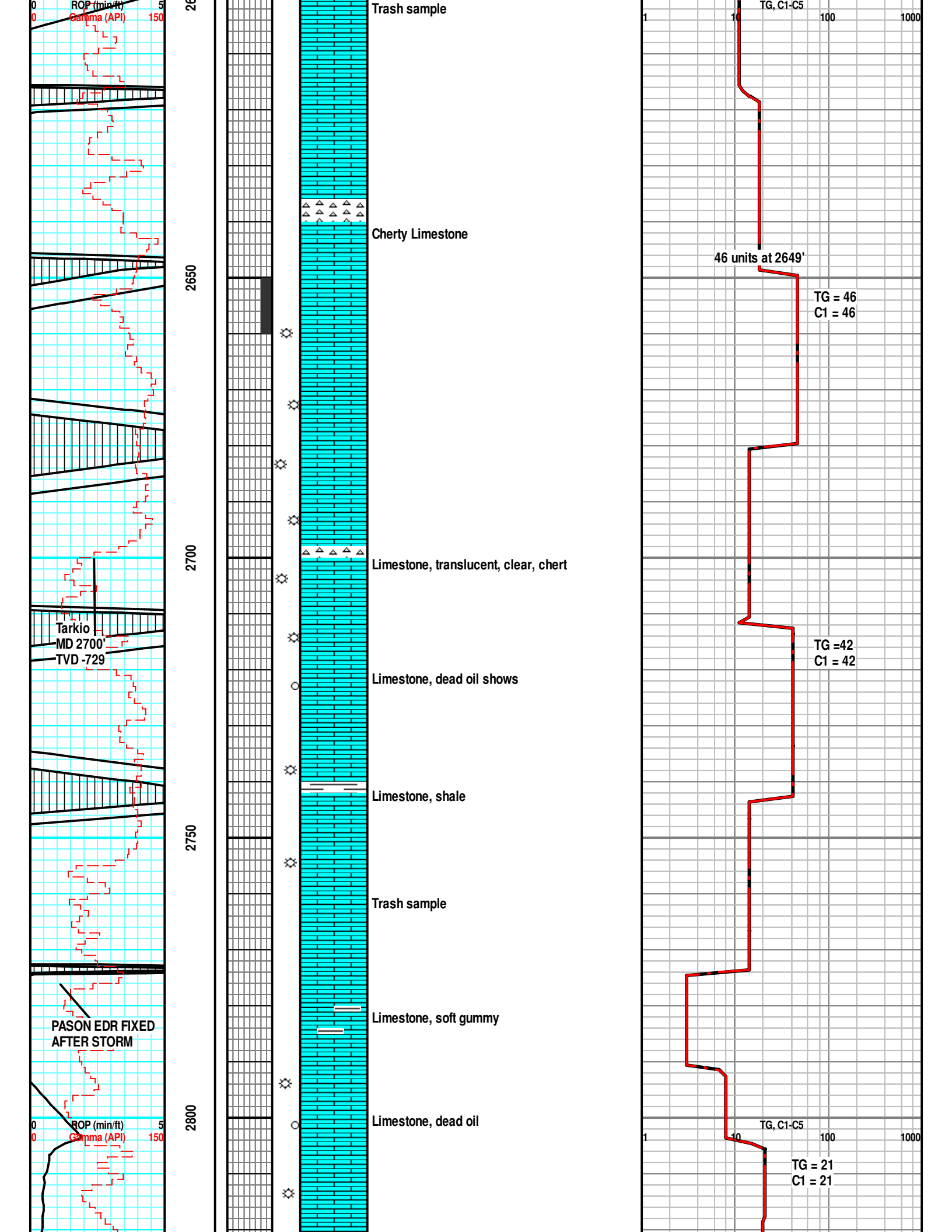
LIMESTONE, dolomite greyish brown, grey,
some darker grey peloids, firm, very fine -
medium grain, some pinpoint porosity

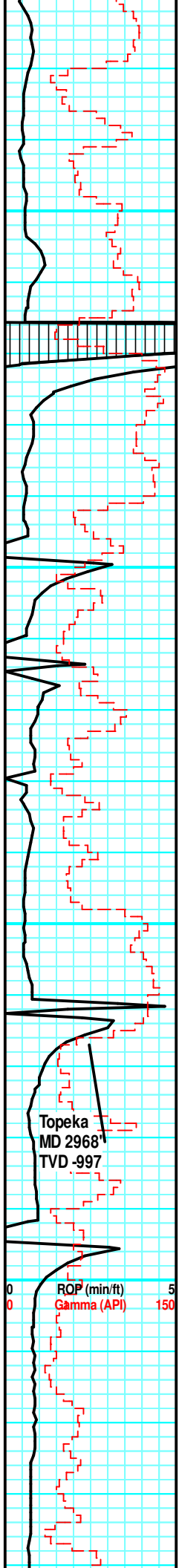




Limestone, Shale stained lime, no shows







2850

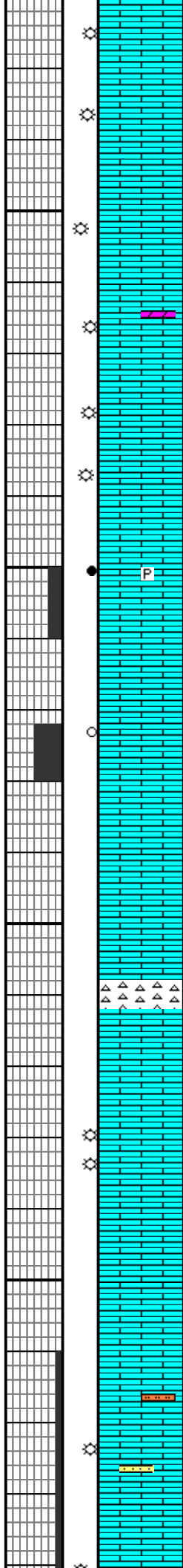
2900

2950

3000

Topeka
MD 2968
TVD -997

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



Limestone, dolomitic, greyish brown, grey, no shows

Limestone, pyrite, oil stain

Limestone, dead oil stain

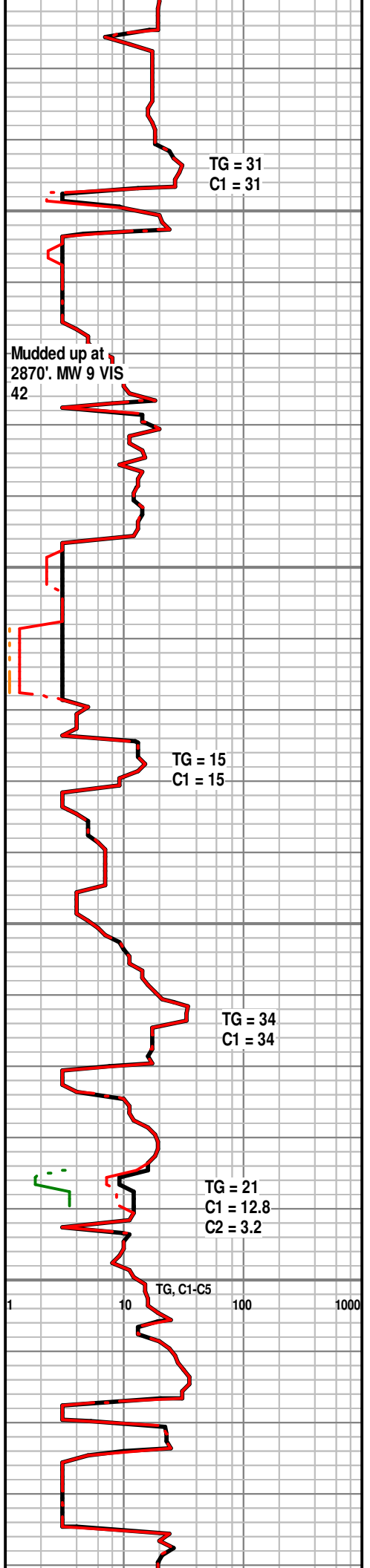
Limestone, dolomitic, greyish brown, grey, no show.

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, calcareoussandstone, poor porosity, no show.



TG = 31
C1 = 31

Mudded up at
2870'. MW 9 VIS
42

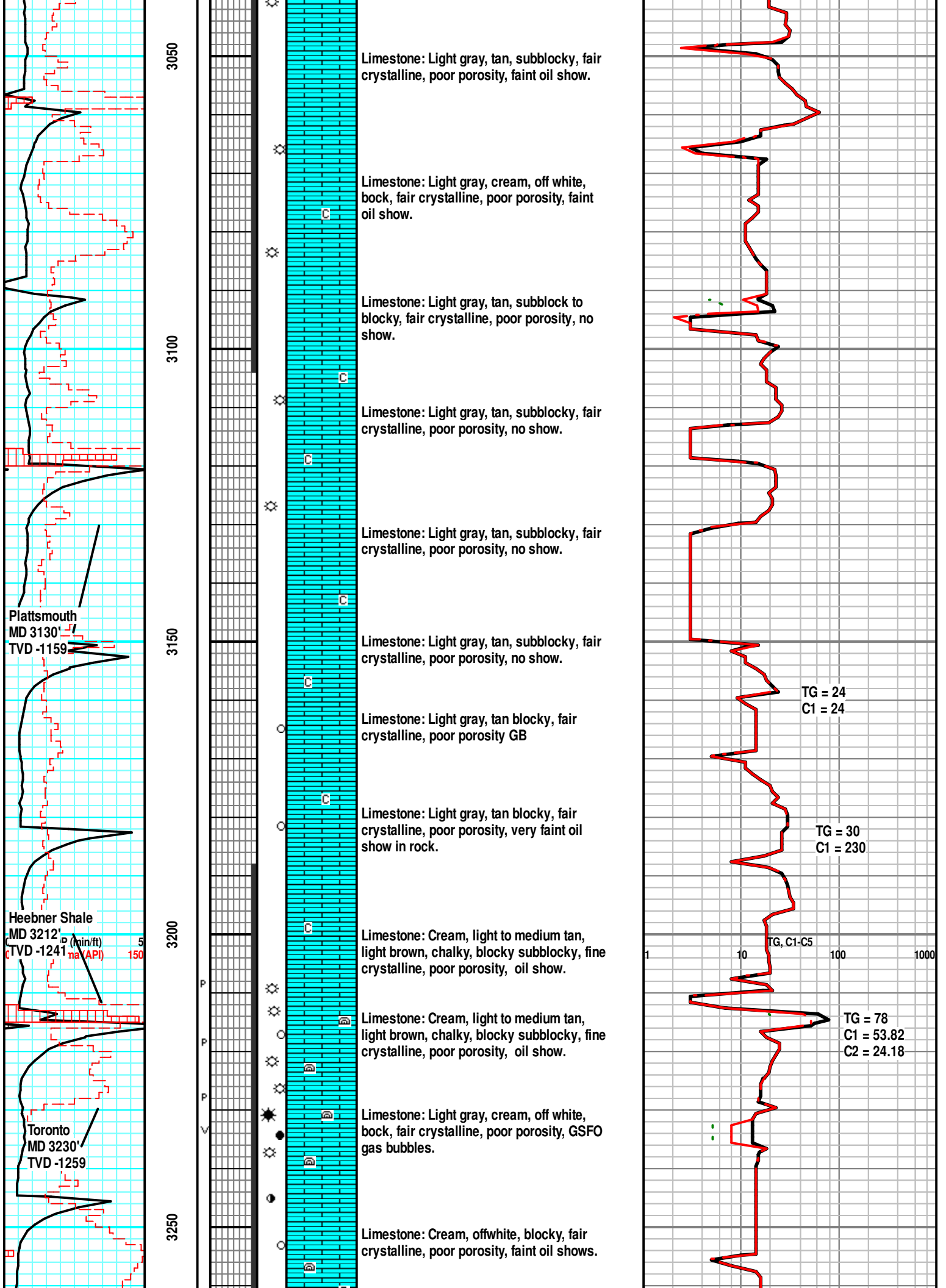
TG = 15
C1 = 15

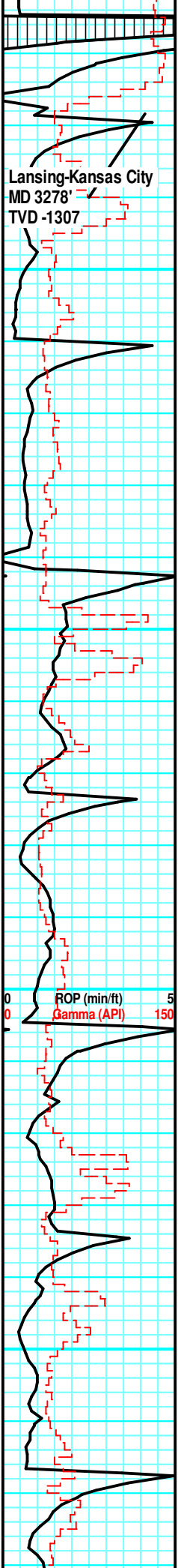
TG = 34
C1 = 34

TG = 21
C1 = 12.8
C2 = 3.2

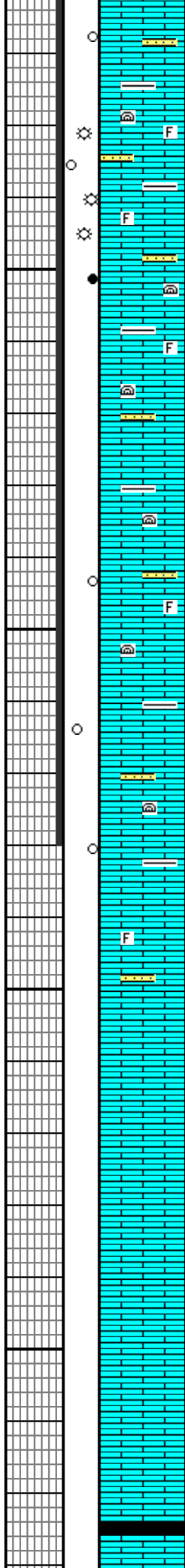
TG, C1-C5

1 10 100 1000





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 moderate oil shows.

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

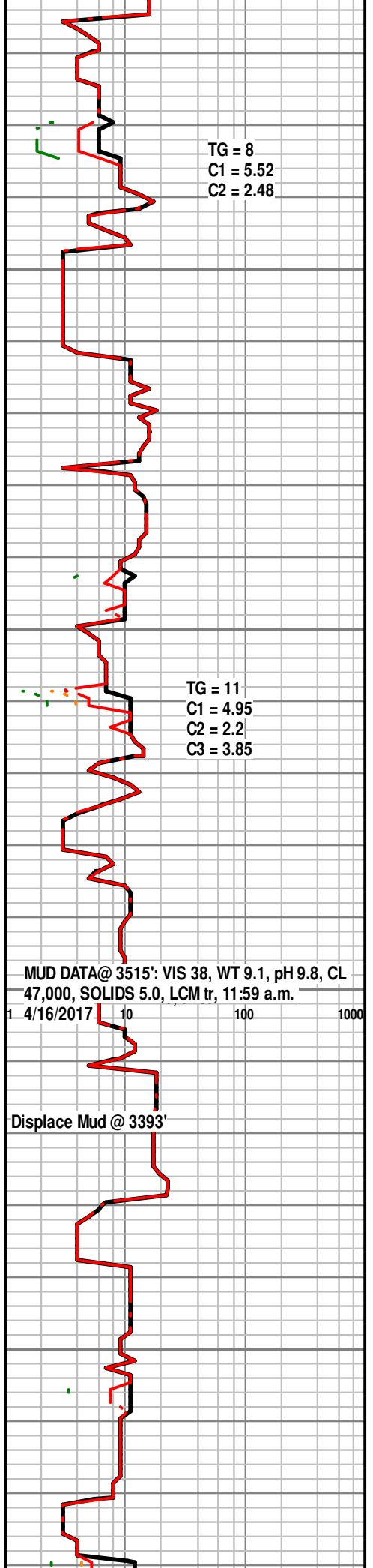
Limestone: Tan cream, light brown, subblocky, fine crystalline, poor porosity, no oil show.

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.

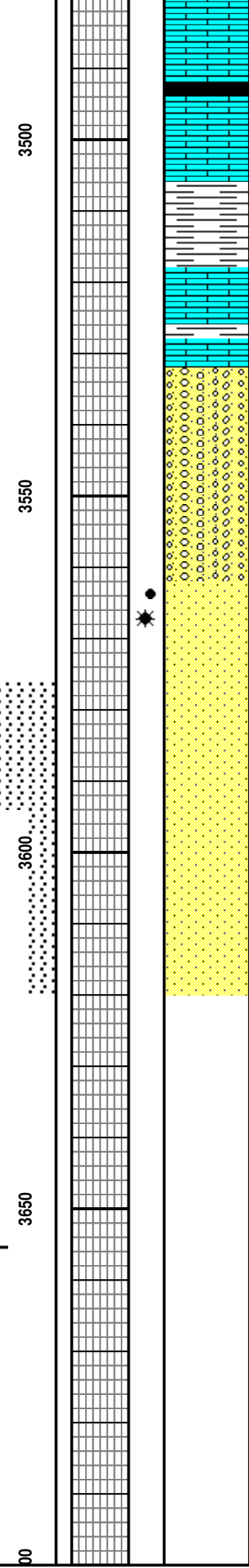
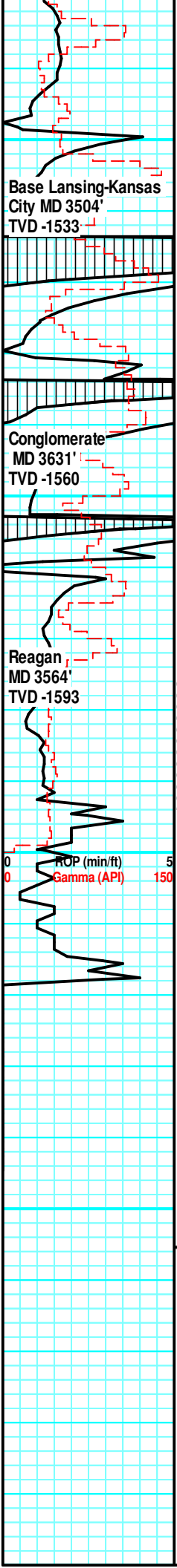


TG = 8
C1 = 5.52
C2 = 2.48

TG = 11
C1 = 4.95
C2 = 2.2
C3 = 3.85

MUD DATA@ 3515': VIS 38, WT 9.1, pH 9.8, CL 47,000, SOLIDS 5.0, LCM tr, 11:59 a.m.
1 4/16/2017 10 100 1000

Displace Mud @ 3393'



Limestone, White, veryfine crystalline, dense in part, some chert, poor visible porosity, NSFO

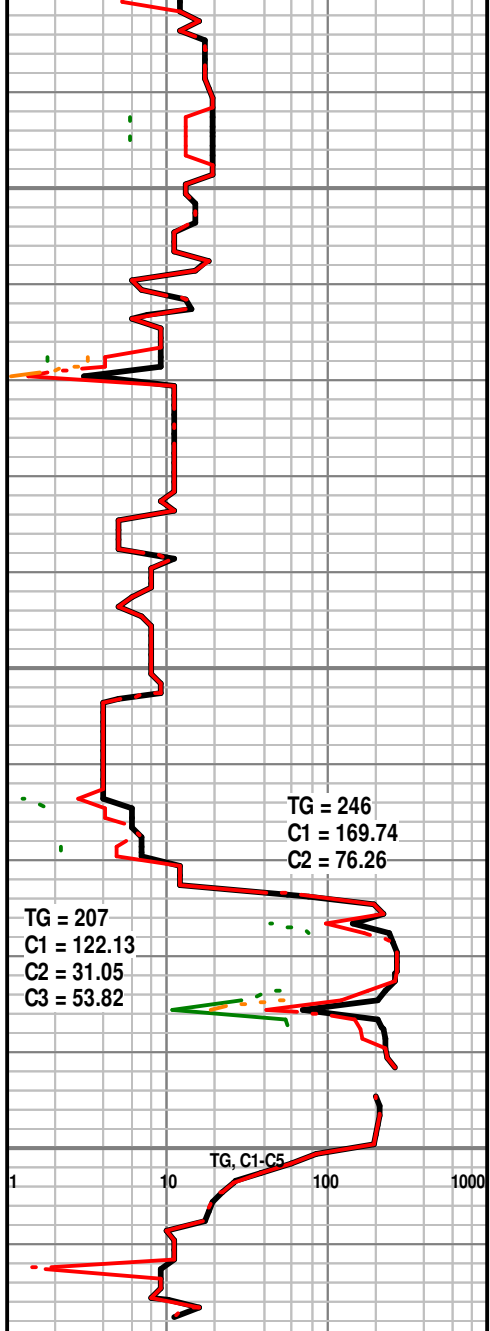
Cherty Conglomerate, Shale, grey and maroon, some reddish brown, silty with chert fragments.

Sandstone, clear, to white, very fine grain grain size increasing with depth, some brown staining, some free oil, bright yellow fluorescence, good intergranular porosity, strong petroleum odor, fast strreaming cut

Sandstone, clear, to white, very fine grain grain size increasing with depth, some brown staining, some bright yellow fluorescence, good intergranular porosity, questionable faint petroleum odor, slow lazy cut, moderate when cluster crushed

7:24 p.m. 4/16/2017 Target Formation reached, began TOOH Operations for DST #1 on the Reagan Sand. 11:48 p.m. Make up TT, TIH for DST #1. 02:33 a.m. on bottom with TT for DST #1. 3:38 TOOH With TT. 06:06 a.m. on Bank with TT

RTD 3619' 10:32 a.m. 4/17/2017



DST #1 3577' - 3593' 30-30, Recovered 100' Gas in pipe and 140' Muddy Salt Water, Flow pressures 56-79# Shut in Pressure 820# Clorides 93,000

DST #2 3577' - 3619' 30-30-19-3, Recovered 95' Slight Mud Cut Water (7% M) and 180' Water Cut Mud (80% M) Flow pressures 96-135/126-161# Shut in Pressures 852-824# Clorides 99,000
NOTE: tool slid 25 feet to bottom, tool opened while sliding last 4 feet to bottom. Evidence of plugging during flow periods.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SWOB1DST2

TIME ON: 13:35
TIME OFF: 20:03

Company Black Stone Petroleum LLC Lease & Well No. SWOB #1
Contractor Landmark Rig #6 Charge to Black Stone Petroleum LLC
Elevation 1973' KB Formation Reagan Effective Pay _____ Ft. Ticket No. F477
Date 4/17/17 Sec. 26 Twp. _____ 18 S Range _____ 16 W County Rush State KANSAS
Test Approved By Chris Leiker Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3577 ft. to 3619 ft. Total Depth 3619 ft.
Packer Depth 3572 8" ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3577 8" ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3579 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3580 ft. Recorder Number 5586 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 38 Drill Collar Length 87 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 47,000 P.P.M. Drill Pipe Length 3,462 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 5 J,SJ, 8" pkrs Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length 42 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Initial blow of 4", inreased to 9"
2nd Open: Weak blow, inreased to 5"

Recovered 95 ft. of SMCW 93% wtr, 7% mud
Recovered 180 ft. of WCM 20% wtr, 80% mud
Recovered _____ ft. of No Gas In Pipe
Recovered _____ ft. of TOTAL RECOVERED FLUID: 275'

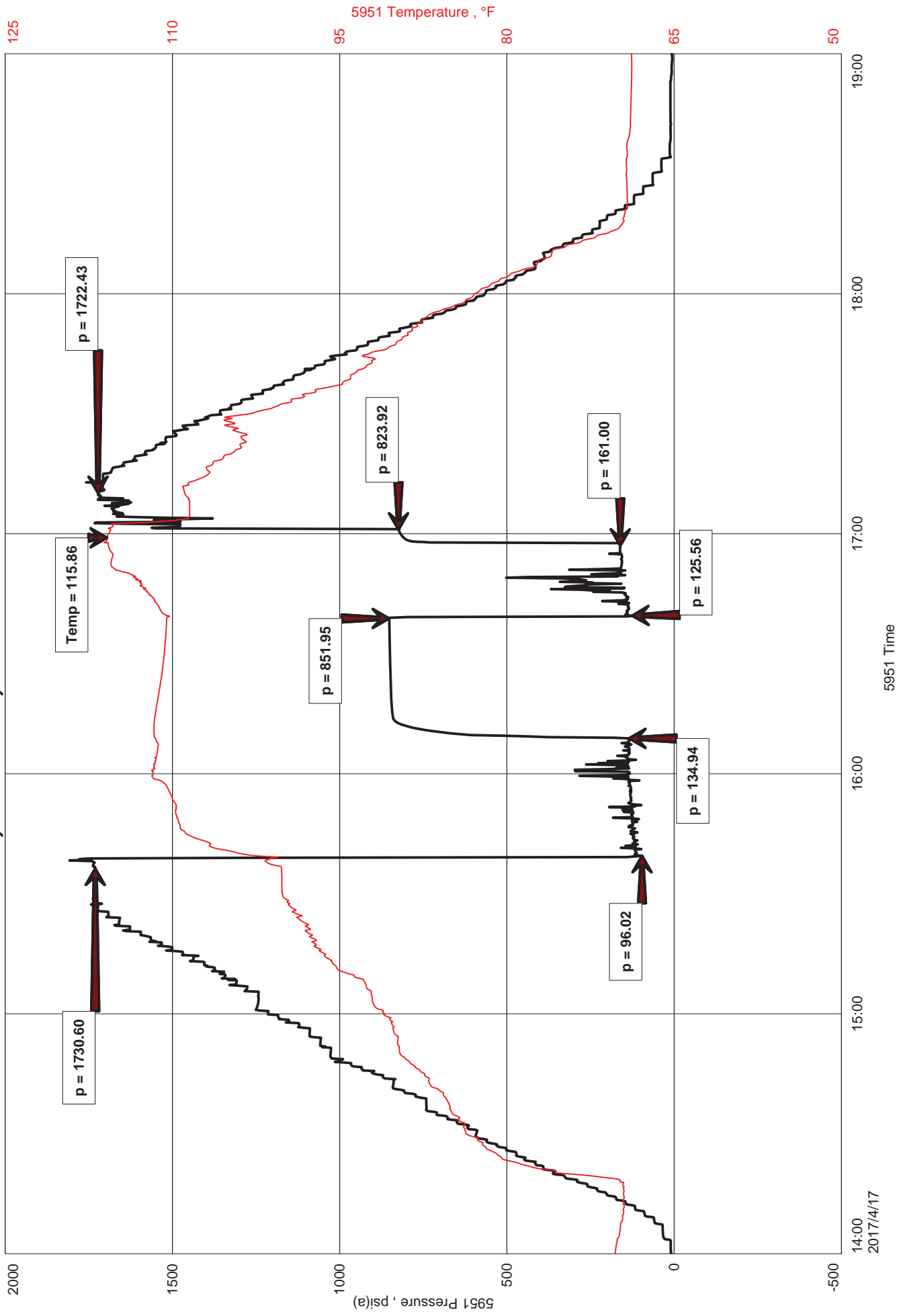
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>CHLORIDES: 99,000 PPM</u>	Insurance
<u>RW: .08 ohm @ 70 F</u>	
<u>PH: 7.0</u>	Total

Time Set Packer(s) 3:39 PM A.M. P.M. Time Started Off Bottom 5:01 PM A.M. P.M. Maximum Temperature 116 F

Initial Hydrostatic Pressure..... (A) 1731 P.S.I.
Initial Flow Period..... Minutes 30 (B) 96 P.S.I. to (C) 135 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 852 P.S.I.
Final Flow Period..... Minutes 19 (E) 126 P.S.I. to (F) 161 P.S.I.
Final Closed In Period..... Minutes 3 (G) 824 P.S.I.
Final Hydrostatic Pressure..... (H) 1722 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

SWOB #1, DST #2, REAGAN 3577'-3619'





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: SWOB10572

ON LOCATION:	<u>12:00</u>
START RECORDERS:	<u>13:35</u>
STOP RECORDERS:	<u>20:03</u>

Company BLACK STONE PETROLEUM LLC Lease & Well No. SWOB #1
 Contractor LANDMARK DRILG REG #6 Charge to BLACK STONE PETROLEUM LLC
 Elevation 1973' KB Formation REAGAN Effective Pay _____ Ft. Ticket No. F477
 Date 4/17/17 Sec. 26 Twp. 18S Range 16W County RUSH State KS
 Test Approved By CHRIS LEIKER Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3577 ft. to 3619 ft. Total Depth 3619 ft.
 Packer Depth 3572 8" ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3577 8" ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3579 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3580 ft. Recorder Number 5586 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 38 Drill Collar Length 87 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 47,000 P.P.M. Drill Pipe Length 3462 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 5, J, J, 8" PK'S Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 42 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: TOOL SLID TO BOTTOM 25' TOOL OPENED WHILE SLIDING LAST 4' TO BOTTOM. INITIAL BLOW OF 4" INCREASED TO 7" BY END OF FLOW. NO BLOWBACK.
 2nd Open: Weak blow, increased to 5"

Recovered 95 ft. of SMCW 93" WTR, 7" MUD
 Recovered 180 ft. of WCM 20" WTR 80" MUD
 Recovered _____ ft. of TOTAL RECOVERED FLUID: 275'
 Recovered _____ ft. of NO GAS IN PIPE

Recovered _____ ft. of <u>CHLORIDES: 99,000 PPM</u>	Price Job
Recovered _____ ft. of <u>RW: .08 @ 70°F PA: 7.0</u>	Other Charges
Remarks: <u>Tool pulled loose @ 40 over string weight, tripped jars.</u>	<u>J, J, 8" PKRS</u>
	<u>48 MRT (GB)</u>
	Total

Time Set Packer(s) 3:39 (P.M.) Time Started Off Bottom 5:01 (P.M.) Maximum Temperature 116 °F
 Initial Hydrostatic Pressure _____ (A) 1731 P.S.I.
 Initial Flow Period _____ Minutes 30 (B) 96 P.S.I. to (C) 135 P.S.I.
 Initial Closed In Period _____ Minutes 30 (D) 852 P.S.I.
 Final Flow Period _____ Minutes 19 (E) 126 P.S.I. to (F) 161 P.S.I.
 Final Closed In Period _____ Minutes 3 (G) 824 P.S.I.
 Final Hydrostatic Pressure _____ (H) 1722 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	SWOB #1
Company Name	Black Stone Petroleum LLC
Formation	DST #2, Reagan 3577'-3619'
Test Type	Bottom-Hole w/Jars, S Joint, 8" Packers
Surface Location	Sec 26-18s-16w-Rush Co.-KS
KB Elevation (SL)	1973.000
Gauge Name	5951
Start Test Date	2017/04/17
Start Test Time	13:35:00
Final Test Date	2017/04/17
Final Test Time	20:03:00
Job Number	F477
Contact	Chris Leiker
Site Contact	Bob Bayer

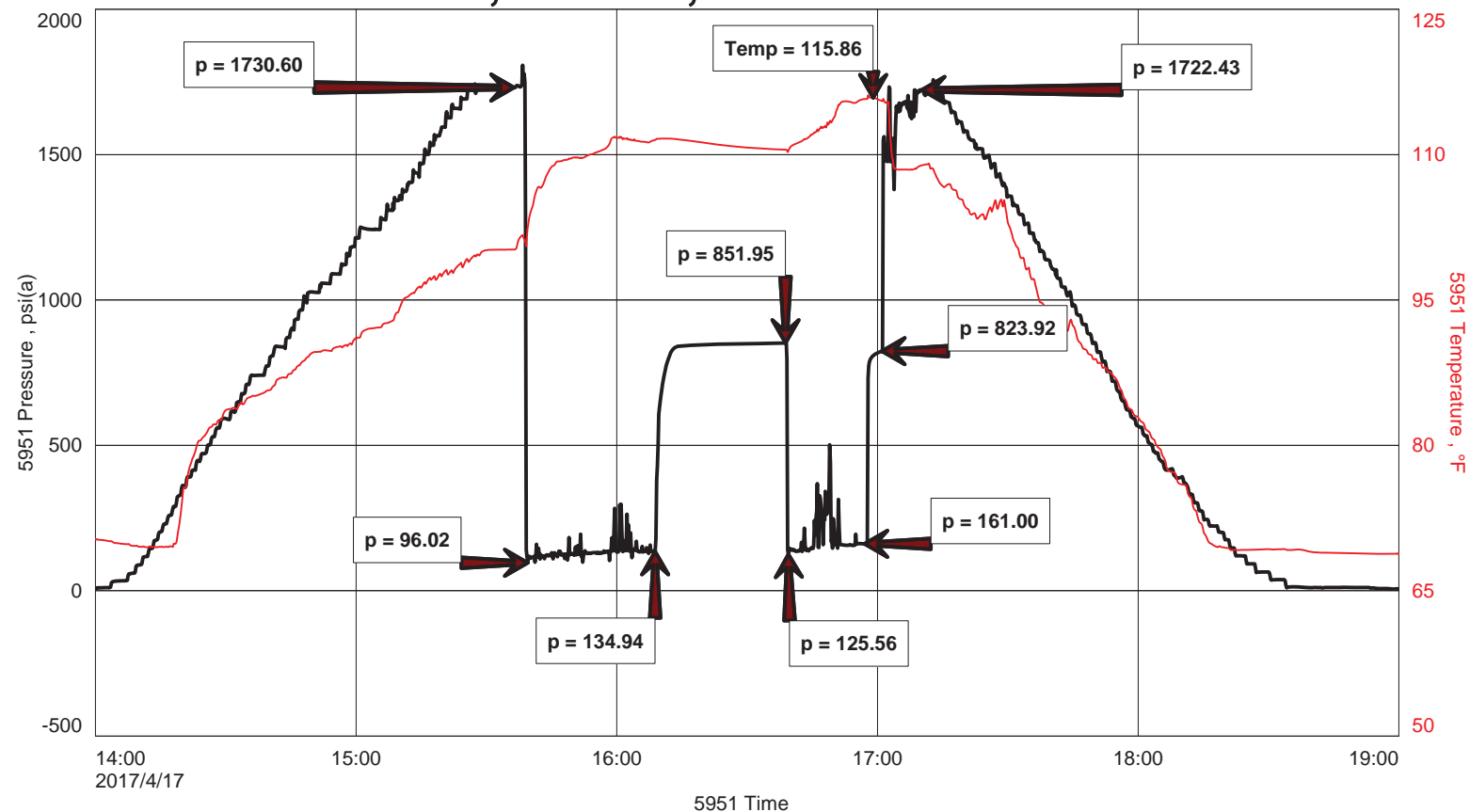
TEST RESULTS

Initial flow, tool slid 25' to bottom. Tool opened while sliding the last 4' to bottom.
 Initial blow of 4" increased to 9".
 Final flow, weak blow increased to 5".

TOTAL RECOVERED FLUID: 275'

- 95' SWCM 93% wtr, 7% mud
- 180' WCM 20% wtr, 80% mud
- No Gas In Pipe
- Chlorides: 99,000 PPM
- RW: .08 ohm @ 70 F
- PH: 7.0

SWOB #1, DST #2, REAGAN 3577'-3619'



TREATMENT REPORT

Acid Stage No. _____

Date 4/18/2017 District G.B. F.O. No. C45102
 Company Blackstone
 Well Name & No. SWOB #1
 Location _____ Field _____
 County Rush State _____
 Casing: Size 7" Type & Wt. 23# Set at _____ ft.
 Perforation: _____ Perf. _____ to _____
 Perforation: _____ Perf. _____ to _____
 Perforation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks. No. Used: Std. 365 Sp. _____ Twin _____
 Auxiliary Equipment 360/310/327
 Personnel Nathan-Aaron-Greg-Eddy
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____ Gals. _____ lb.

Company Representative Gerald A. Treater Nathan W.

TIME	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
2:00am		7"	4/18/2017	On Location to run float equipment. Rig running Drill pipe in to circulate and lay down.
7:30				Rig started laying down drill pipe.
12:40				Start casing in the hole with float equipment. Welder could not cut surface pipe off due to water flowing. Gerald said to go ahead and run pipe Casing tagged bottom approximately 20' high. Hook up to mud pump and circulate to bottom.
4:15				Rig up Global Cementing to cement bottom stage.
				7" set at 3615' Centralizers-1,3,5,7,9,11,15,18,29,30 Baffle-3572' Baskets-2,27 DV Tool-2433'
				Circulate after bottom stage for 2.5 hours. Mix 300sks 65/35poz 6%gel followed by 200sks 60/40poz 2%gel 12% salt .75%C41p .75%C47a Displace with 95.6bbbls at 6bpm-700# Plug landed at 1500# Released pressure. Still had water flowing out of surface.
11:00				Call Kelso Well Service to cut off pipe and weld 7" to 10 3/4" and Gressel Tank truck and Outlaw Tank Service. Gerald called out additional welder and Chris called out additional tank truck. Welders cut holes in surface to let water out. Tank trucks sucked water out while they capped flow line and plated the top of surface pipe. Once the top of surface and flow line was plated we put valves on surface and pumped 300sks Common 3% C.C.
12:00			4/19/2017	between surface and 7" casing and shut well in. Welders stayed on location to make sure we had no leaks.
5:45				