

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) (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	Samuel Gary Jr. & Associates, Inc.
Well Name	BIG BAD BAPTIST 10C-9-1910
Doc ID	1458265

All Electric Logs Run

DENSITY-NEUTRON
INDUCTION
MICRO
SONIC

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 1202

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

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-8-19	9	19	10	Rice	KS		1:15 AM
Lease				Location		Well No.	
Big Bad Baptist				Claxlin E 4th W 85 to FR 1/2 W N10		10C9-1910	
Contractor				Owner			
Discovery #2				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job				Charge To			
Surface				Sam Coon / Jr & Associates			
Hole Size		T.D.		Street			
12 1/4		348					
Csg.		Depth		City			
8 5/8		347		State			
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
				Cement Amount Ordered			
Cement Left in Csg.		Shoe Joint		275 80/20 3/4 2/4 2/4 1/2 #10			
15							
Meas Line				Displace			
				21BL			
EQUIPMENT				Common			
Pumptrk 16 No. Cementer				270			
Helper				Poz. Mix			
Driver David				55			
Bulktrk No. Driver				Gel.			
Bulktrk 9 No. Driver				5			
Driver Doug				Calcium			
				10			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal 140#			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
8 5/8 on bottom Best Circulation				Handling 291			
Mix 275 80/20 Displace + 500# Hulls				Mileage			
Cement Circulated:				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				Surface			
				Mileage			
				35			
				Tax			
				Discount			
				Total Charge			
Signature							
[Signature]							

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

785-483-2025

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

No. 1174

785-324-1041

Date	1-14-19	Sec.	9	Twp.	19	Range	10	County	Rice	State	Ks	On Location		Finish	10:00AM
Lease								Location				Clafin - E to 4th Rd, S to Rd I, 3/4 W			
Lease								Well No.				Owner			
Big Bad Baptist								10C-9-1910				Minto			
Contractor								To Quality Oilwell Cementing, Inc.				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Discovery #2															
Type Job								Charge To				Samuel Gary Jr. + Associates Inc.			
Plug															
Hole Size				T.D.				Depth				Street			
7 7/8"								3475'							
Csg.				Depth				City				State			
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
4 1/2" D.P.															
Tool				Shoe Joint				Cement Amount Ordered				285 SX 60/40 4% Gel 1/4 # Flowseal			
Cement Left in Csg.															
Meas Line				Displace				Common							
				H2O/mud				215 60/40 4% Gel 1/4 # Flowseal							
EQUIPMENT															
Pumptrk		No.		Cementer		Helper		Common		Poz. Mix					
16				Glenn				129		86					
Bulktrk		No.		Driver		Driver		Gel.							
15				Doug				8							
Bulktrk		No.		Driver		Driver		Calcium							
p.u.				Rick											
JOB SERVICES & REMARKS															
Remarks:								Hulls							
3368' - 35 SX								Salt							
Rat Hole								Flowseal							
1250' - 35 SX								50 #							
Mouse Hole								Kol-Seal							
900' - 35 SX															
Centralizers								Mud CLR 48							
400' - 35 SX															
Baskets								CFL-117 or CD110 CAF 38							
60' - 25 SX															
D/V or Port Collar								Sand							
Rathole w/ 30 SX								Handling							
Mousehole w/ 20 SX								223							
								Mileage							
Cement did Circulate								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage							
								35 Plug							
								Tax							
								Discount							
								Total Charge							
X Signature															
[Signature]															

1 bank



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc

9-19s-10w

1515 Wynkoop STE 700 Denver CO 80202+2062

Big Bad Baptist 10C

ATTN: Jim Musgrove

Job Ticket: 64981

DST#: 1

Test Start: 2019.01.12 @ 06:35:00

GENERAL INFORMATION:

Formation: **Lansing kc I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:06:10

Time Test Ended: 14:56:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Benny Mulligan

Unit No: 66

Interval: 3158.00 ft (KB) To 3200.00 ft (KB) (TVD)

Reference Elevations: 1771.00 ft (KB)

Total Depth: 3200.00 ft (KB) (TVD)

1763.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6772

Press@RunDepth: 95.78 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.01.12 End Date: 2019.01.12

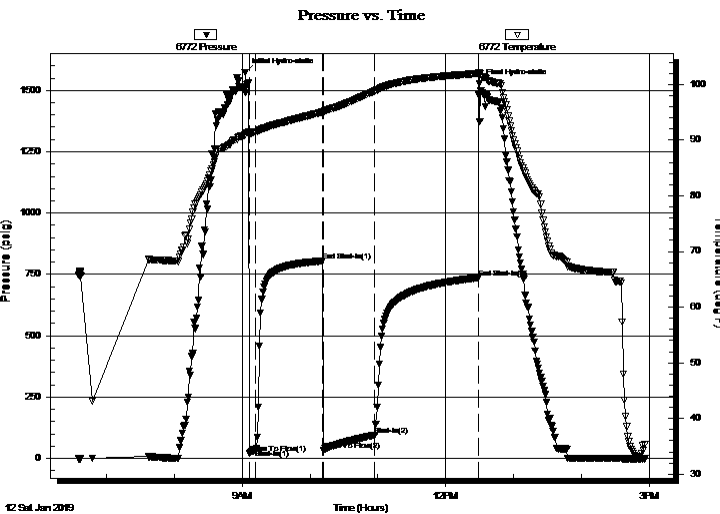
Last Calib.: 2019.01.12

Start Time: 06:35:01 End Time: 14:56:10

Time On Btm: 2019.01.12 @ 09:02:20

Time Off Btm: 2019.01.12 @ 12:30:00

TEST COMMENT: I.F.-5-built to 4 1/2 "
I.S.I-30- w ek blow back that died
F.F.-45-built to 30"
F.S.I.-90- w eak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1573.19	90.92	Initial Hydro-static
4	22.01	90.91	Open To Flow (1)
10	35.83	91.46	Shut-In(1)
69	804.71	95.07	End Shut-In(1)
70	33.47	95.04	Open To Flow (2)
115	95.78	98.81	Shut-In(2)
207	736.10	101.95	End Shut-In(2)
208	1526.41	101.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M.C.W. 10%g 90%w	0.42
60.00	G.O.W.M. 5%g 15%o 40%w 40%m	0.42
60.00	G.O.M. 5%g 25%o 70%m	0.42
0.00	g.i.p. 60'	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc

9-19s-10w

1515 Wynkoop STE 700 Denver CO 80202+2062

Big Bad Baptist 10C

ATTN: Jim Musgrove

Job Ticket: 64981

DST#: 1

Test Start: 2019.01.12 @ 06:35:00

GENERAL INFORMATION:

Formation: **Lansing kc I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:06:10

Time Test Ended: 14:56:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Benny Mulligan

Unit No: 66

Interval: 3158.00 ft (KB) To 3200.00 ft (KB) (TVD)

Total Depth: 3200.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1771.00 ft (KB)

1763.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 9058

Press@RunDepth: psig @ ft (KB)

Start Date: 2019.01.12

End Date: 2019.01.12

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Start Time: 06:35:05

End Time: 14:56:29

Time On Btm:

Time Off Btm:

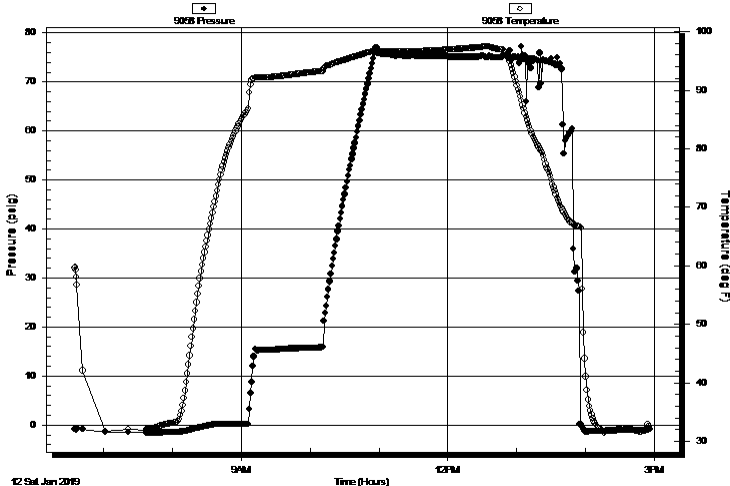
TEST COMMENT: I.F.-5-built to 4 1/2 "

I.S.I-30- w ek blow back that died

F.F.-45-built to 30"

F.S.I.-90- w eak blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M.C.W. 10%g 90%w	0.42
60.00	G.O.W.M. 5%g 15%o 40%w 40%m	0.42
60.00	G.O.M. 5%g 25%o 70%m	0.42
0.00	g.i.p. 60'	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc

9-19s-10w

1515 Wynkoop STE 700 Denver CO 80202+2062

Big Bad Baptist 10C

Job Ticket: 64981

DST#: 1

ATTN: Jim Musgrove

Test Start: 2019.01.12 @ 06:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

95000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	M.C.W. 10%m 90%w	0.425
60.00	G.O.W.M. 5%g 15%o 40%w 40%m	0.425
60.00	G.O.M. 5%g 25%o 70%m	0.425
0.00	g.i.p. 60'	0.000

Total Length: 180.00 ft

Total Volume: 1.275 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

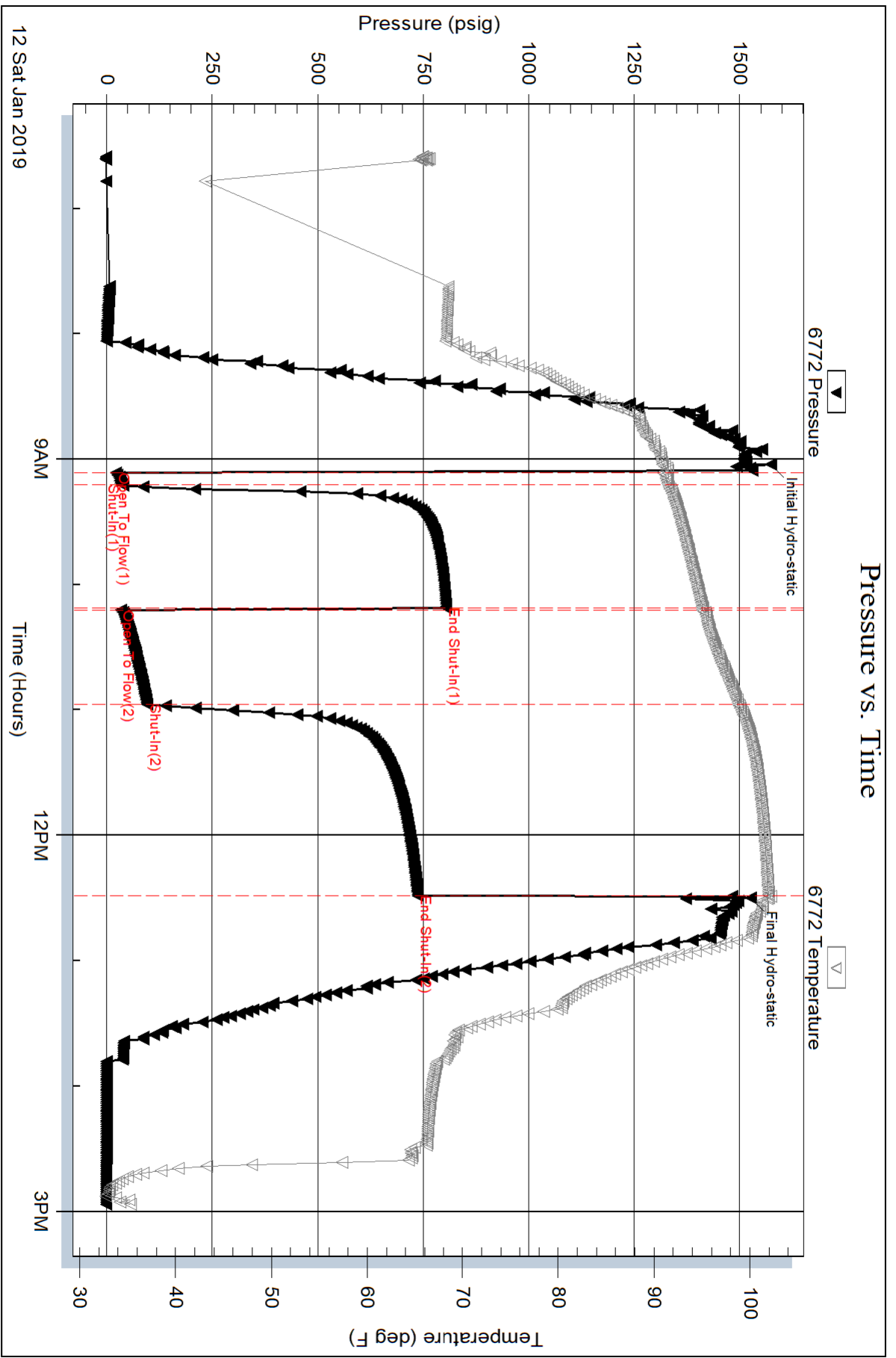
Laboratory Location:

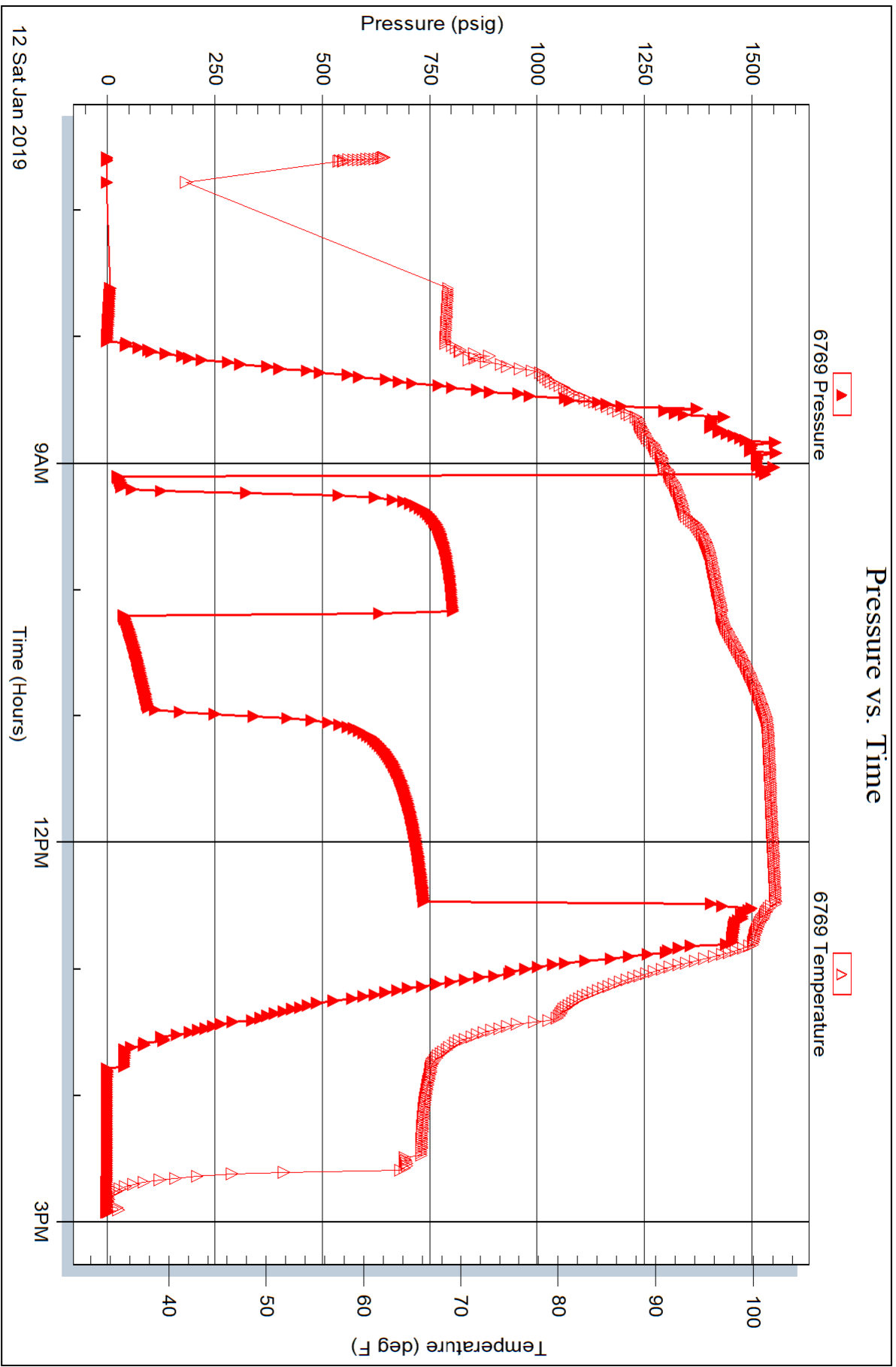
Recovery Comments: .Sampler Data: 340# PSI

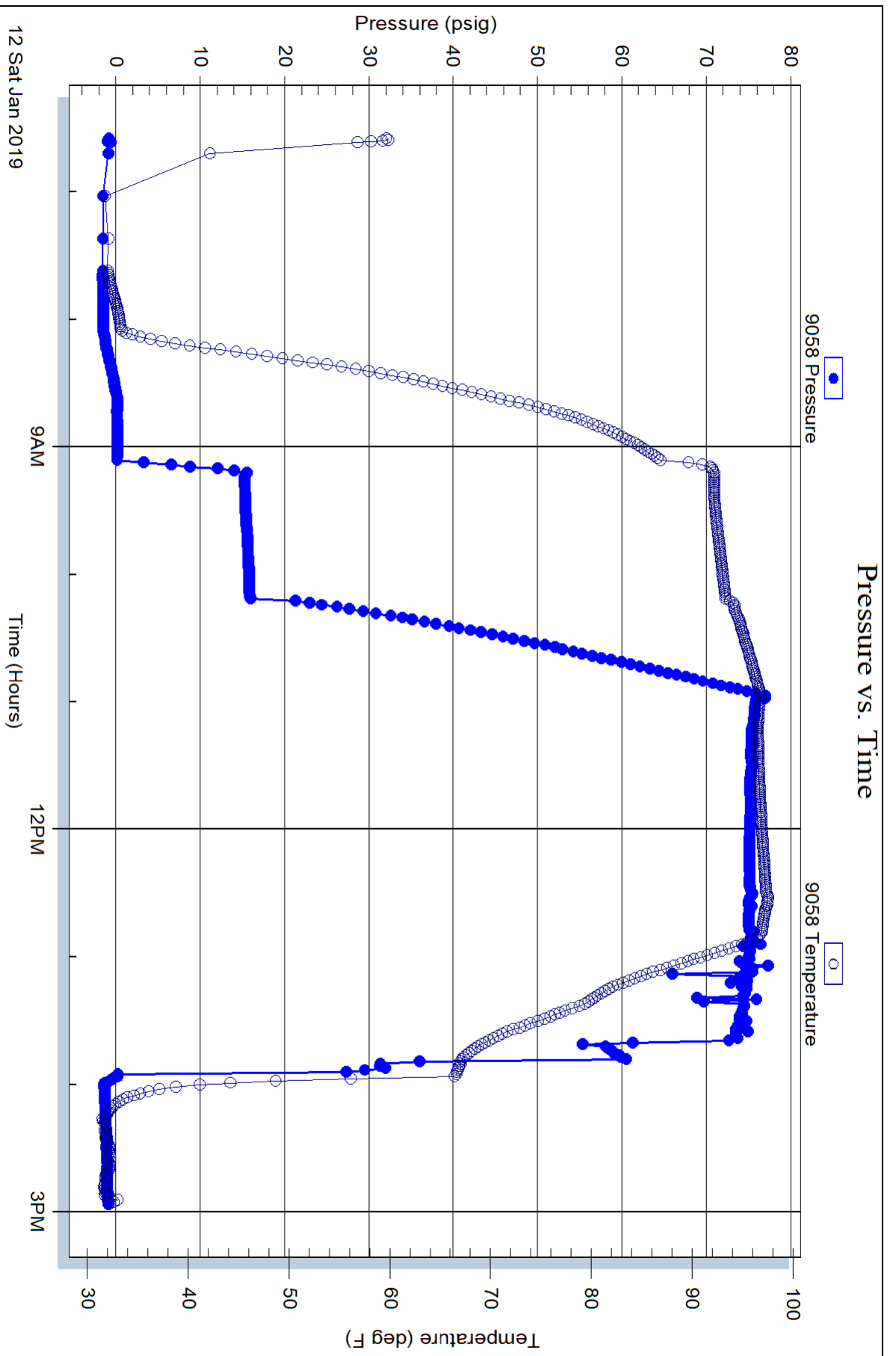
1600 ML water

300 ML Oil 36@30 degrees

1100 ML Gas









Musgrove

PETROLEUM CORPORATION
Clafin, Kansas

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Samuel Gary Jr. & Associates, Inc.
 LEASE Big Bad Baptist # 10C-9-1910
 FIELD Mansz
 LOCATION SW-SW-NW-SE (1595' FSL & 2585 FEL)
 SEC 9 TWSP 19S RGE 10W
 COUNTY Rice STATE Kansas

ELEVATIONS
 KB 1771'
 DF _____
 GL 1763'
 Measurements Are All From KB

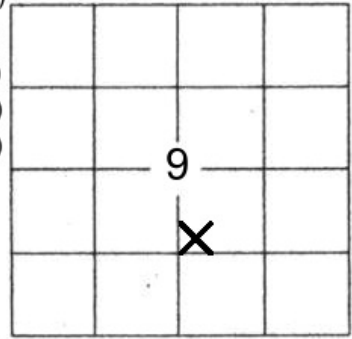
CONTRACTOR Discovery Drilling, Inc. (Rig # 2)
 SPUD 1/07/2019 COMP 1/13/2019
 RTD 3475' LTD 3475'
 MUD UP 2400' TYPE MUD Chemical

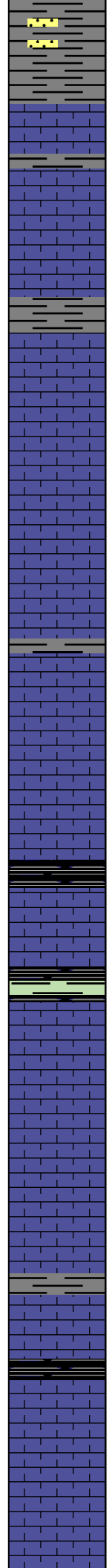
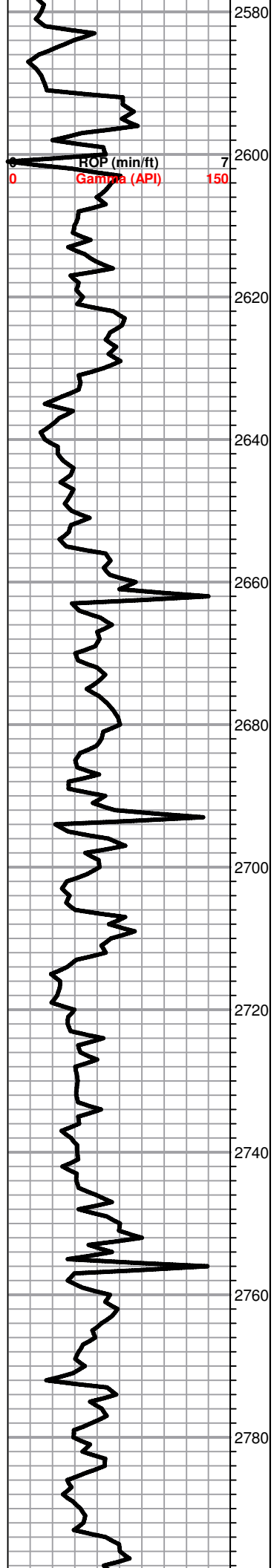
CASING
 SURFACE 8 5/6" @347'
 PRODUCTION None

ELECTRICAL SURVEYS
 Weatherford Energy

SAMPLES SAVED FROM 2500' TO RTD
 DRILLING TIME KEPT FROM 2500' TO RTD
 SAMPLES EXAMINED FROM 2500' TO RTD
 GEOLOGICAL SUPERVISION FROM 2550' TO RTD
 GEOLOGIST ON WELL Jim Musgrove

FORMATION TOPS	LOG	SAMPLES
Anhydrite	493 (+1278)	Cong. 3322 (-1551)
B. Anhydrite	513 (+1258)	Cong. Sd. 3326 (-1555)
Topeka	2593 (-822)	Arbuckle 3369 (-1598)
Heebner	2863 (-1092)	RTD 3475 (-1604)
Toronto	2885 (-1114)	LTD 3475 (-1604)
Douglas	2895 (-1124)	
Douglas Sd.	2913 (-1142)	
Brown Lime	2985 (-1214)	
Lansing	3012 (-1241)	
Base KC	3279 (-1508)	





Topeka 2593.0 (-822.0)

LS, tan, brown, fxl, slightly foss, chalky, few cherty (dense)

LS, a/a , poor vis. porosity

LS, white/ gry, fxl, foss in pt., slightly cherty, poor vis. porosity

LS, white, gry, fxl, chalky, +gry & white chert

Tr. coal black chert

King Hill 2694.0 (-923.0)

Sh, black carb

LS, tan, gry, slightly cherty, (dense)

Sh, gry, black, green

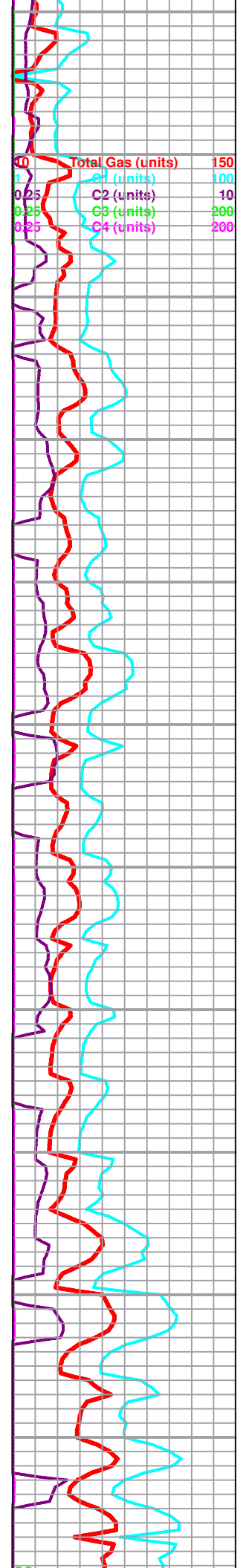
LS, tan, gry, fxl, gran. in pt, chalky, few foss, + gry/ white boney chert

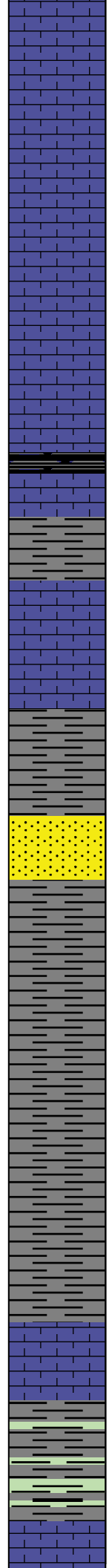
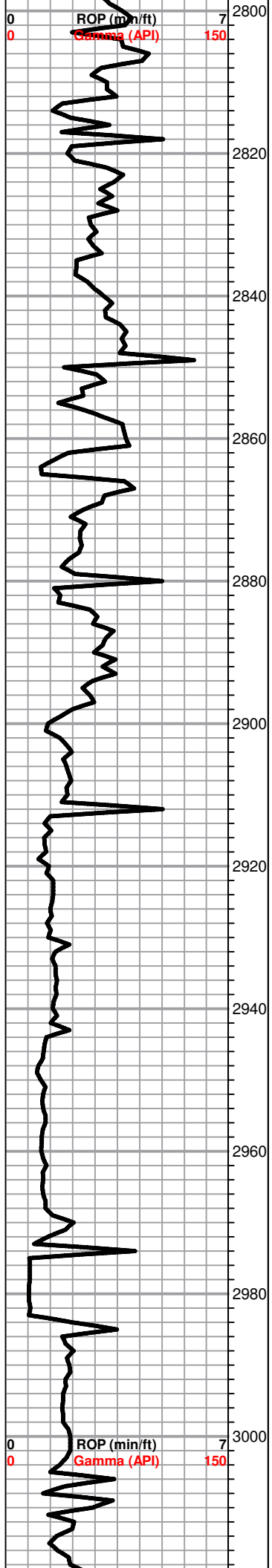
LS, a/a, inc. in white/ gry, chalky LS.

Queen Hill 2771.0 (-1000.0)

Sh, black carb

LS, gry, tan, fxl, foss in pt, + coal black chert , no shows





LS, tan, fxl, foss in pt, scattered porosity, no shows

LS, tan, gry, sub oom, poorly developed oom type porosity, chalky in pt, no shows

LS, white, cream, chalky + white chalk, poorly developed porosity

Heebner 2862.0 (-1091.0)

Sh, black carb

Toronto 2885.0 (-1114.0)

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

Douglas 2898.0 (-1127.0)

Sh, gry, gryish silty shale

110 unit kick

Douglas Sd. 2913.0 (-1142.0)

Sd, gry, brown, gryish green, vfg., sub rounded few sorting friable fair IG porosity, fair sorting, friable

Sh, gryish green gry silty shale

Sh, a/a

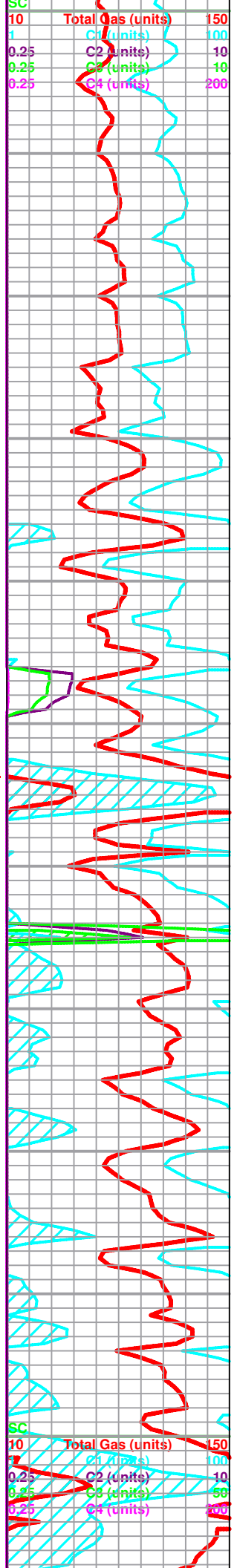
Brown Lime 2983.0 (-1214.0)

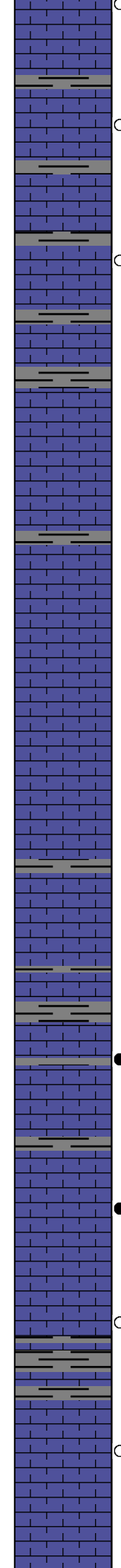
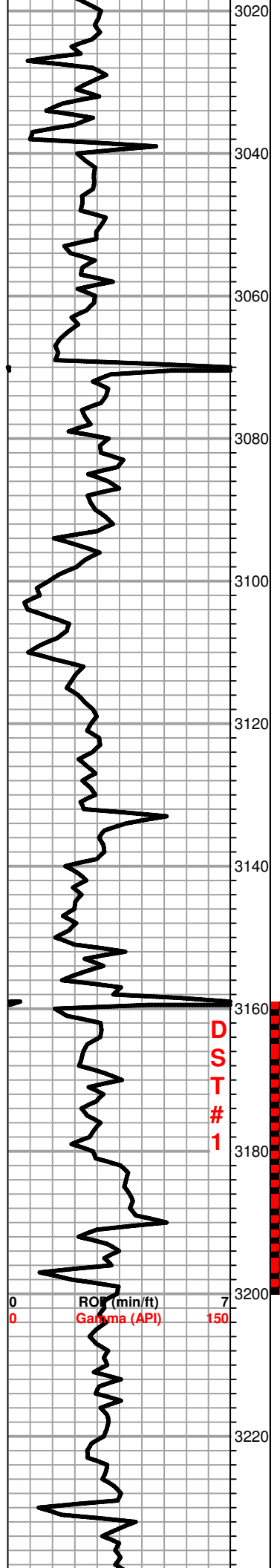
LS, tan, fxl, slightly cherty dense,

Sh, gry, gryish, green, soft silty shale

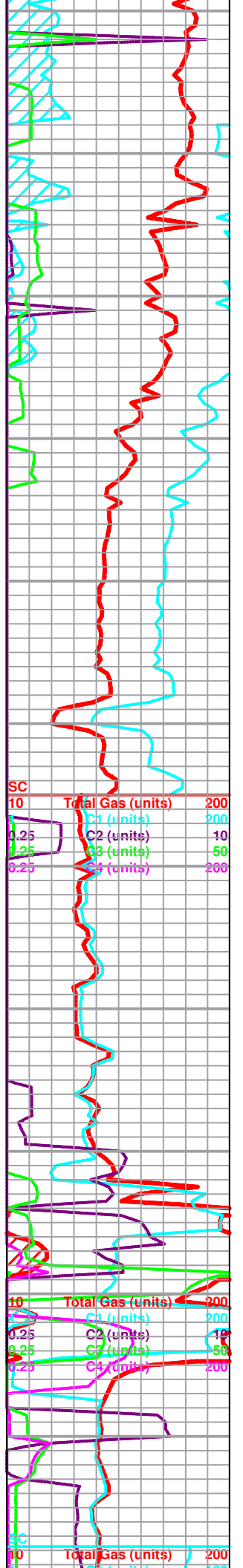
Lansing 3012.0 (-1241.0)

LS, white, tan, fxl, foss, scattered vuggy porosity, lt.





3020 ○ brn golden brn stain, tr. sfo
 3040 ○ LS, tan, cream, ool, oom, fair oom porosity, tr. lt. brn stain, nsfo, faint odor
 3060 ○ LS, gry, ool, foss, chalky in pts, tr. brown stain, nsfo, ft. odor tr. white chert
 LS, gry, fxl, ool /foss, chalky, cherty (dense)
 3080 LS, gry, white, ool, dense, poor vis. porosity, no shows
 3100 LS, cream, white, ool, sub oom, chalky, no shows
 3120 LS, tan, gry, white, ool, oom, scattered oom + white chalk, no shows
 3140 LS, tan, fxl, slightly cherty (dense)
 3160 ● LS, white, cream, ool, chalky, por vis. porosity, inner oolitic type porosity, tr. brn stain, sfo, faint odor
 3180 ● LS, white, ool, sub oom porosity, tr. brn stain, sfo, ft. odor
 3200 ○ LS, white, gry, ool, med xln, slightly chalky, tr. brn stain, blk stain
 3220 ○ LS, white, gry, ool, med xln sl. chalky, tr. brn stain, blk stain, tr. fo, ??? odor



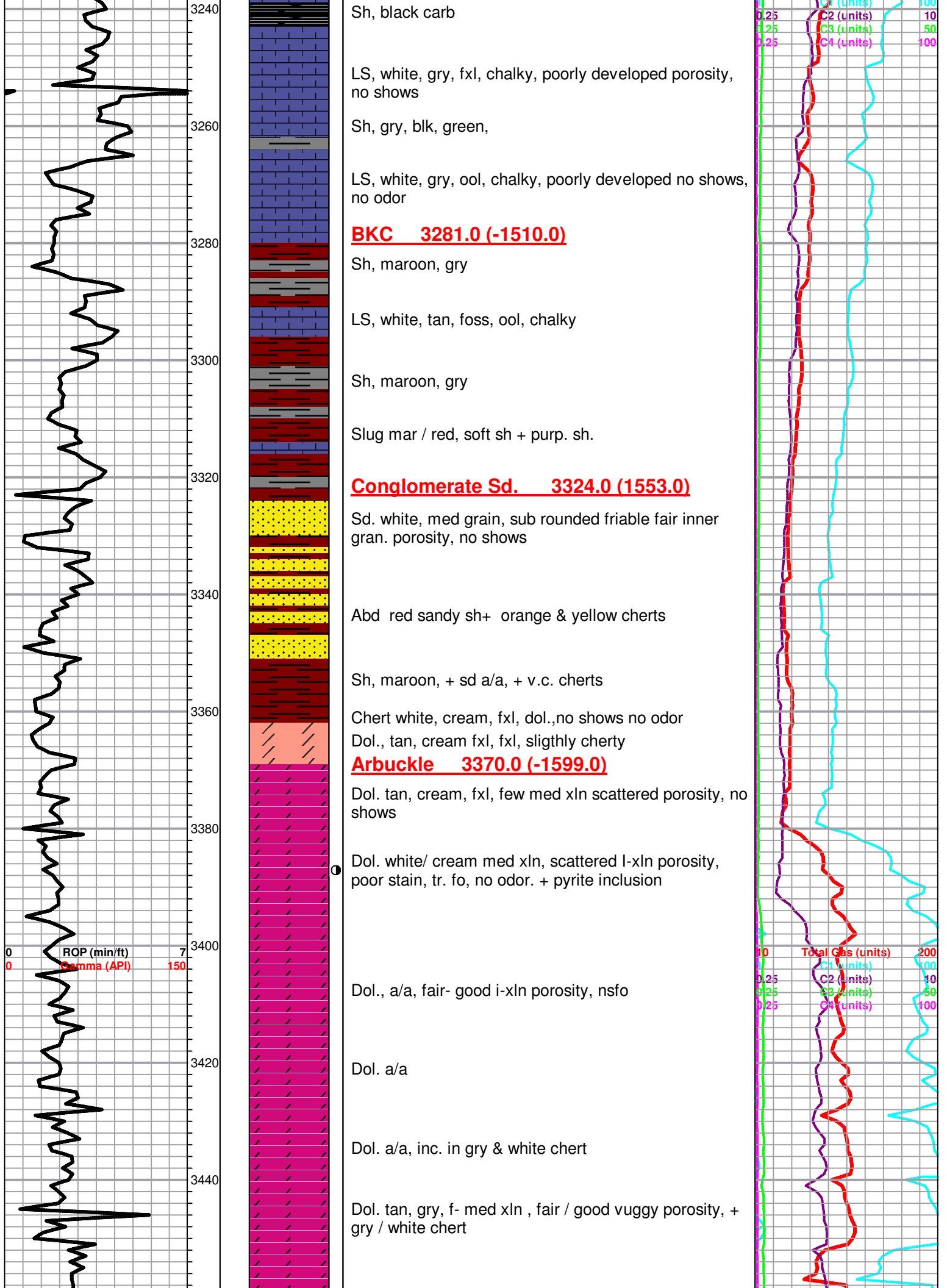
D
S
T

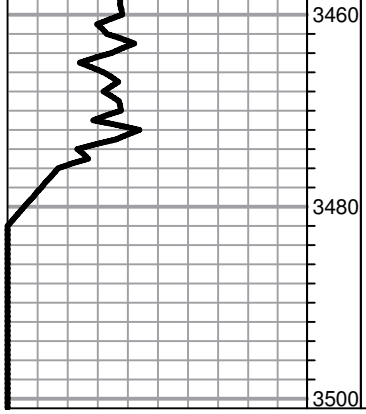
1

SC	Total Gas (Units)	200
10	C1 (units)	200
0.25	C2 (units)	10
0.25	C3 (units)	50
0.25	C4 (units)	200

10	Total Gas (Units)	200
0.25	C1 (units)	200
0.25	C2 (units)	10
0.25	C3 (units)	50
0.25	C4 (units)	200

SC	Total Gas (Units)	200
10	C1 (units)	200
0.25	C2 (units)	10
0.25	C3 (units)	50
0.25	C4 (units)	200





Dol., gry, tan, fxl, slightly cherty, poor vis. porosity
+ white / gry ool chert

RTD 3475.0 (-1604.0)
LTD 3475.0 (-1604.0)

