

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1265643
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 Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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: _____

1265643

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	Concorde Resources Corporation
Well Name	McDaniel 1-22
Doc ID	1265643

All Electric Logs Run

Computer Processed Interpolation
Dual Induction
Dual Comp Porosity
Microresistivity

Form	ACO1 - Well Completion
Operator	Concorde Resources Corporation
Well Name	McDaniel 1-22
Doc ID	1265643

Tops

Name	Top	Datum
Heebner	3876	-857
Toronto	3895	-876
Lansing	3916	-897
Muncie Creek	4104	-1085
Stark	4193	-1174
Hushpuckney	4240	-1221
Base KC	4276	-1257
Marmaton	4324	-1305
Altamont	4339	-1320
Pawnee	4411	-1392
Myrick Station	4446	-1427
Fort Scott	4466	-1447
Cherokee Shale	4494	-1475
Johnson	4540	-1521
Morrow Shale	4616	-1597
Mississippian	4672	-1653

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067726

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley, KS

DATE <u>2-11-15</u>	SEC <u>22</u>	TWP. <u>15</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>8:00p.m.</u>	JOB START <u>6:30p.m.</u>	JOB FINISH <u>7:30p.m.</u>
LEASE <u>McDaniel</u>	WELL# <u>1-22</u>	LOCATION <u>Pencer N to Dakota</u>	COUNTY <u>Logan</u>	STATE <u>KS</u>			
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>W + S to rig</u>					

CONTRACTOR W+W 2 OWNER Same

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4700 CEMENT

CASING SIZE _____ DEPTH _____ AMOUNT ORDERED 255 sks 60/40

TUBING SIZE _____ DEPTH _____ 4 1/2 gal 1/4 # Flo-seal

DRILL PIPE 4 1/2 DEPTH 2390

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 1st plug 24 bbl mud 2nd plug 366/400

EQUIPMENT

PUMP TRUCK CEMENTER Paul Beaver

431 HELPER Brandon Wellkison

BULK TRUCK _____

818/340 DRIVER Darren Racette

BULK TRUCK _____

_____ DRIVER _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

60/40/4 255 sks @ 18.92 4824.60

Flo-seal 64 # @ 2.97 190.08

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 5,014.68

DISCOUNT 20% 1002.94

REMARKS:

mix 50 sks @ 2390, Displace w/ mud
mix 100 sks @ 1215, Displace w/ water
mix 50 sks @ 350,
mix 10 sks @ 40, w/ plug
mix 30 sks in R.H
mix 15 sks in M-H

Thank you!
Paul + Crews

CHARGE TO: Concorde Resources Corp

STREET P.O. Box 841

CITY EuFaula STATE OK ZIP 74432

918-689-9510

SERVICE

HANDLING 273.87 ft³ @ 2.48 679.20

MILEAGE 11.44 tons x 40 mi x 2.75 1258.40

DEPTH OF JOB 2390

PUMP TRUCK CHARGE 2483.59

EXTRA FOOTAGE _____ @ _____

HV MILEAGE 40 @ 7.70 308.00

LV MILEAGE 40 @ 4.40 176.00

_____ @ _____

_____ @ _____

TOTAL 4905.19

DISCOUNT 20% 981.03

PLUG & FLOAT EQUIPMENT

8 5/8 Wacker Plug @ _____ 110.00

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 110.00

DISCOUNT 0% 0

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Cody Hoss

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES 10,029.87

DISCOUNT 1,983.97 (20%) IF PAID IN 30 DAYS

NET TOTAL 8,045.89 IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Concorde Resources, Corp.

S22-15s-34w Logan/KS

111 S. Main St.
Eufaula, OK 74432

McDaniels #1-22

Job Ticket: 61713

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.09.09 @ 18:08:00

GENERAL INFORMATION:

Formation: **Marmaton-Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:57:00

Time Test Ended: 00:32:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Interval: 4330.00 ft (KB) To 4392.00 ft (KB) (TVD)

Reference Elevations: 3019.00 ft (KB)

Total Depth: 4392.00 ft (KB) (TVD)

3014.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 34.45 psig @ 4332.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.09

End Date: 2015.09.10

Last Calib.: 2015.09.10

Start Time: 18:08:02

End Time: 00:32:30

Time On Btm: 2015.09.09 @ 20:55:30

Time Off Btm: 2015.09.09 @ 23:02:30

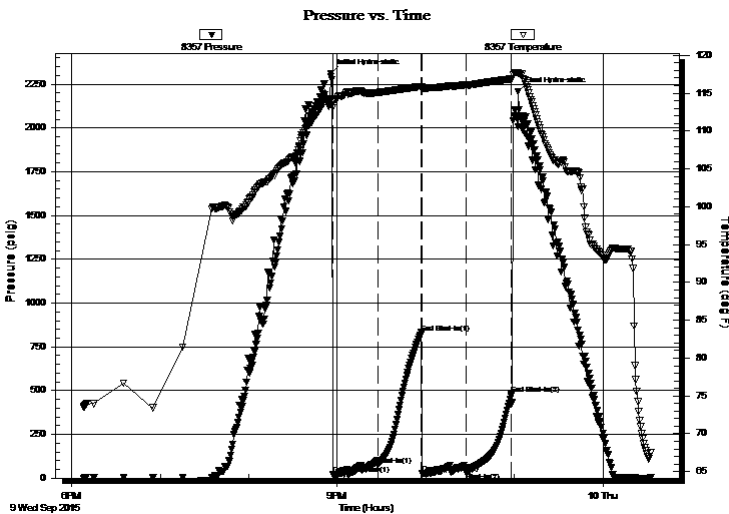
TEST COMMENT: 30- 1/2" Blow throughout. Hit a weak bridge on the way down n.

30- No return.

30- No blow .

30- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.33	114.26	Initial Hydro-static
2	20.99	113.06	Open To Flow (1)
32	73.76	115.08	Shut-In(1)
62	831.01	115.90	End Shut-In(1)
62	26.10	115.63	Open To Flow (2)
92	34.45	116.11	Shut-In(2)
123	478.97	116.91	End Shut-In(2)
127	2208.22	117.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	M 100m With a spot of oil.	0.22

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Concorde Resources, Corp.

S22-15s-34w Logan/KS

111 S. Main St.
Eufaula, OK 74432

McDaniels #1-22

Job Ticket: 61713

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.09.09 @ 18:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	M 100m With a spot of oil.	0.221

Total Length: 45.00 ft Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

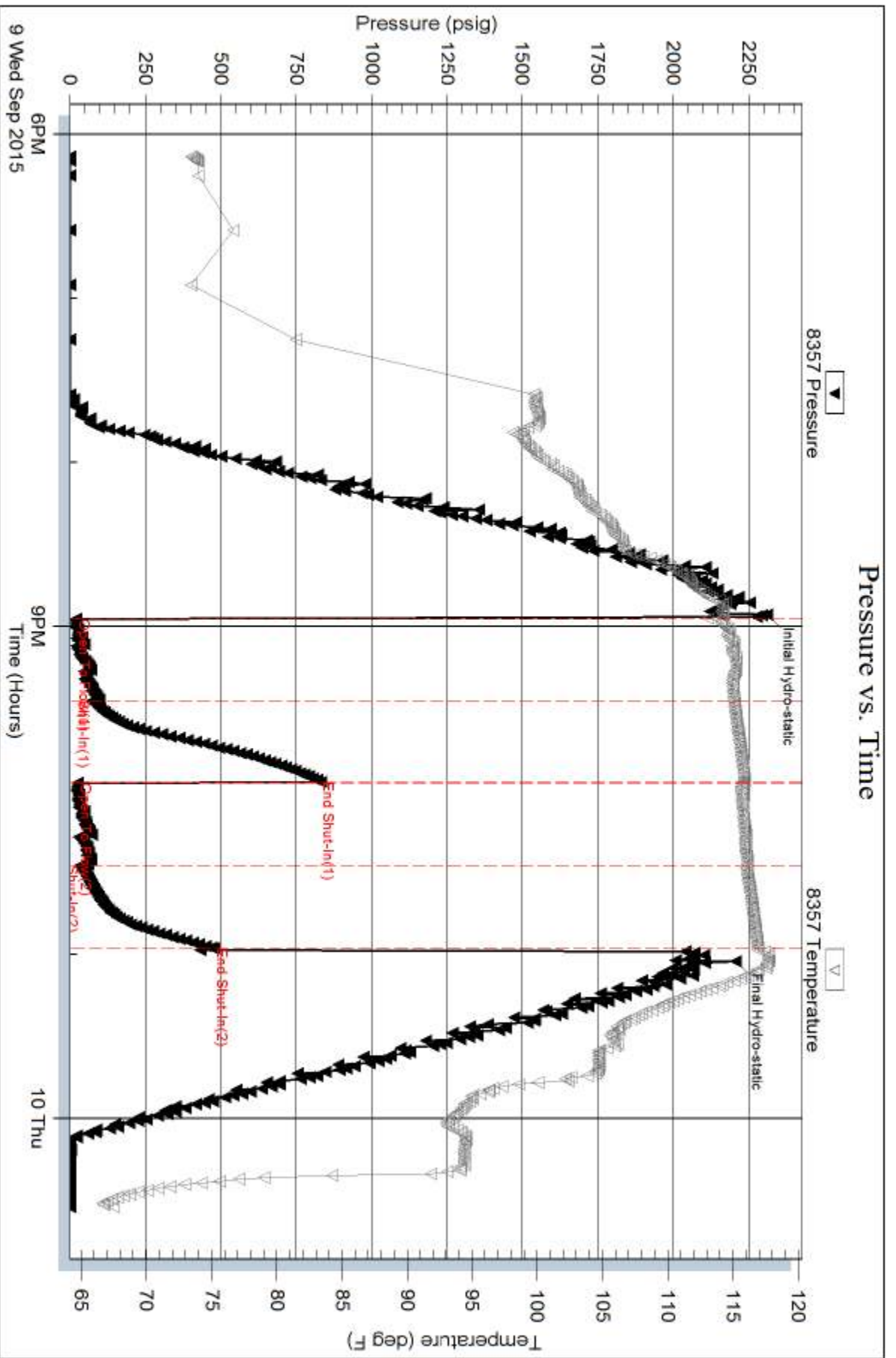
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

Cell 620.639.3030

Fax 785.387.2400

RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

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

Well Name: McDaniels #1-22

API: 15-109-21431-00-00

Location: Logan County

License Number: 35214

Spud Date: 9/4/15

Surface Coordinates: 2266' FSL & 1570' FWL
Section 22-T15S-R34W

Bottom Hole Vertical Well w/ minimal deviation

Coordinates:

Ground Elevation (ft): 3014'

K.B. Elevation (ft): 3019'

Logged Interval (ft): 3500' To: TD

Total Depth (ft): RTD - 4700'/LTD - 4696'

Formation: Topeka through Mississippian

Type of Drilling Fluid: KDT - (Ken Rupp)

Region: Kansas

Drilling Completed: 9/11/15

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

OPERATOR

Company: Concorde Resources Corp.

Address: 111 South Main St
Eufaula, Oklahoma 74432

GEOLOGIST

Name: Anthony Luna

Company: Consulting Petroleum Geologist

Address: 3365 CR 390
Otis, KS 67565

REMARKS

Anhydrite Top - 2373 (+646)
Anhydrite Base - 2393 (+626)
Heebner - 3876 (-857)
Toronto - 3895 (-876)
Lansing - 3916 (-897)
Muncie Crk - 4104 (-1085)
Stark - 4193 (-1174)
Hushpuckney - 4240 (-1221)
Base KC - 4276 (-1257)
Marmaton - 4324 (-1305)
Altamont - 4339 (-1320)
Pawnee - 4411 (-1392)
Myrick Station - 4446 (-1427)
Fort Scott - 4466 (-1447)
Cherokee Sh - 4494 (-1475)
Johnson - 4540 (-1521)
Morrow Sh - 4616 (-1597)

DSTs

Drillstem testing performed by Trilobite Testing (Scott city Office)

DST #1 4326-4392 (Mar-Alt)

30:30:30:30

IF: Built to 1/2in, no return

FF: No blow, no return

Recovery: 45' Mud

IHP: 2312 FHP: 2208

IFP: 21-26 ISIP: 831

FFP: 74-34 FSIP: 479

BHT - 117 F

COMMENTS

Based on the results of drillstem testing and log & sample analysis, it is recommended that this well be plugged & abandoned.

ROCK TYPES

LITHOLOGY

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol
- Shgy
- Stst
- Ss
- Till
- Sltstn
- Shale
- Sandylys
- Lms
- Gry sh
- Dtd
- Dol
- Carb sh
- pipesymbol
- unknown lith
- Red shale

FOSSIL

- Oomoldic
- Fuss
- Algae

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MINERAL

- Sly
- Sand
- Dol
- Chlorite
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol

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

STRINGER

- Red shale
- Sh
- Sandylys
- Lms
- Gryslt
- Grysh
- Dol
- Clystn
- Carbsh
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

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

- Sltstrg
- Ssstrg

TEXTURE

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

OIL SHOW

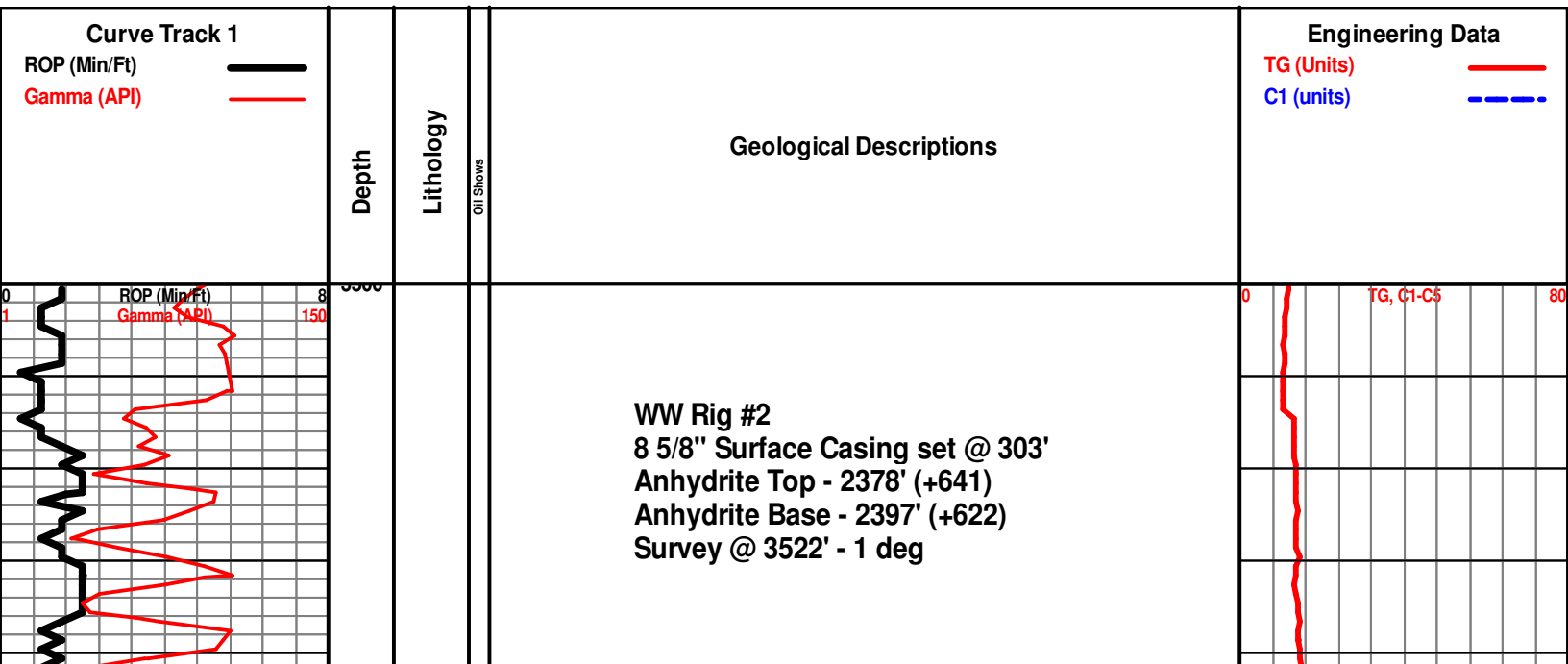
- Gas show
- Good
- Fair
- Poor
- Dead

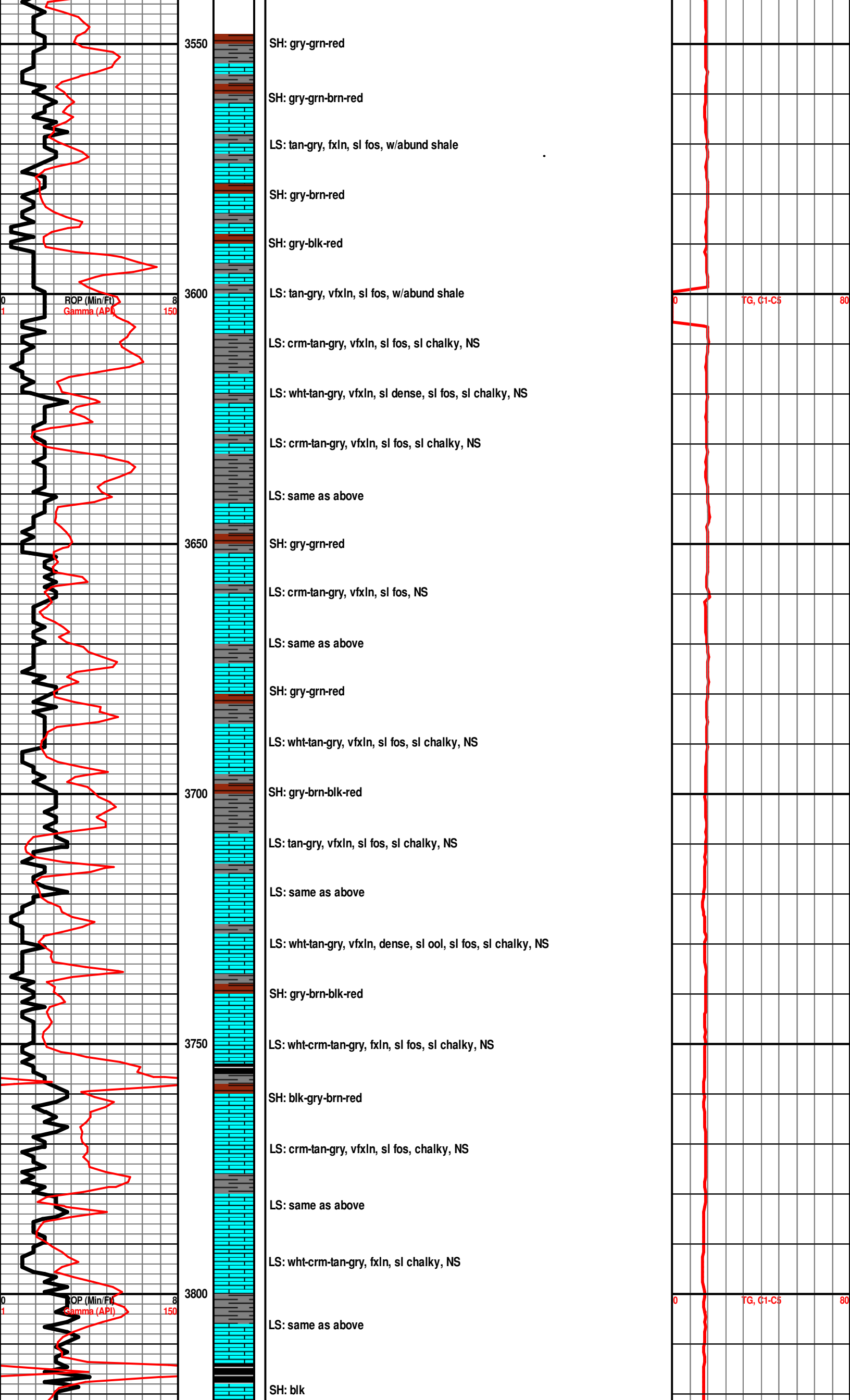
INTERVAL

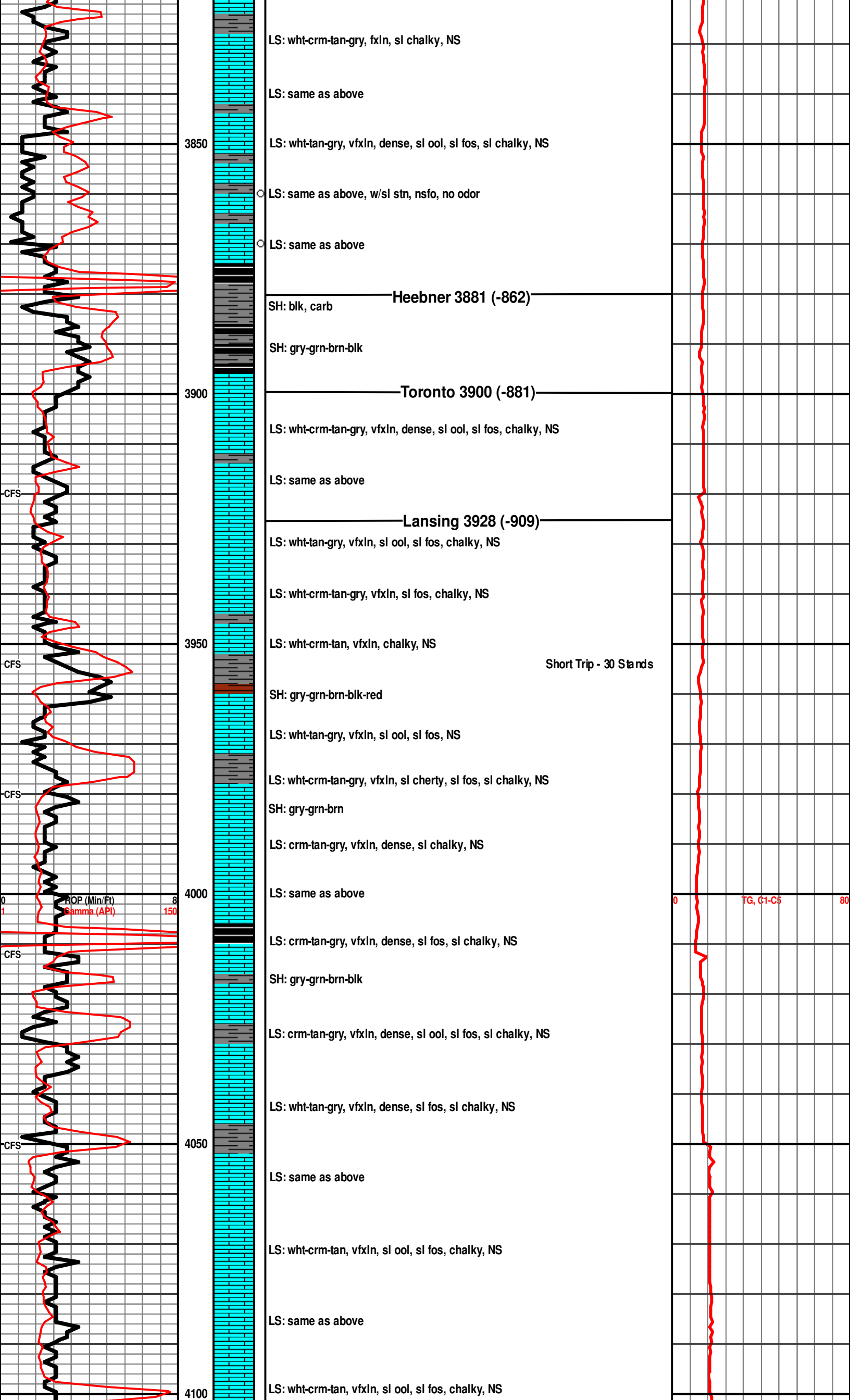
- Dst
- Core
- Dst
- Straddle test tail pip

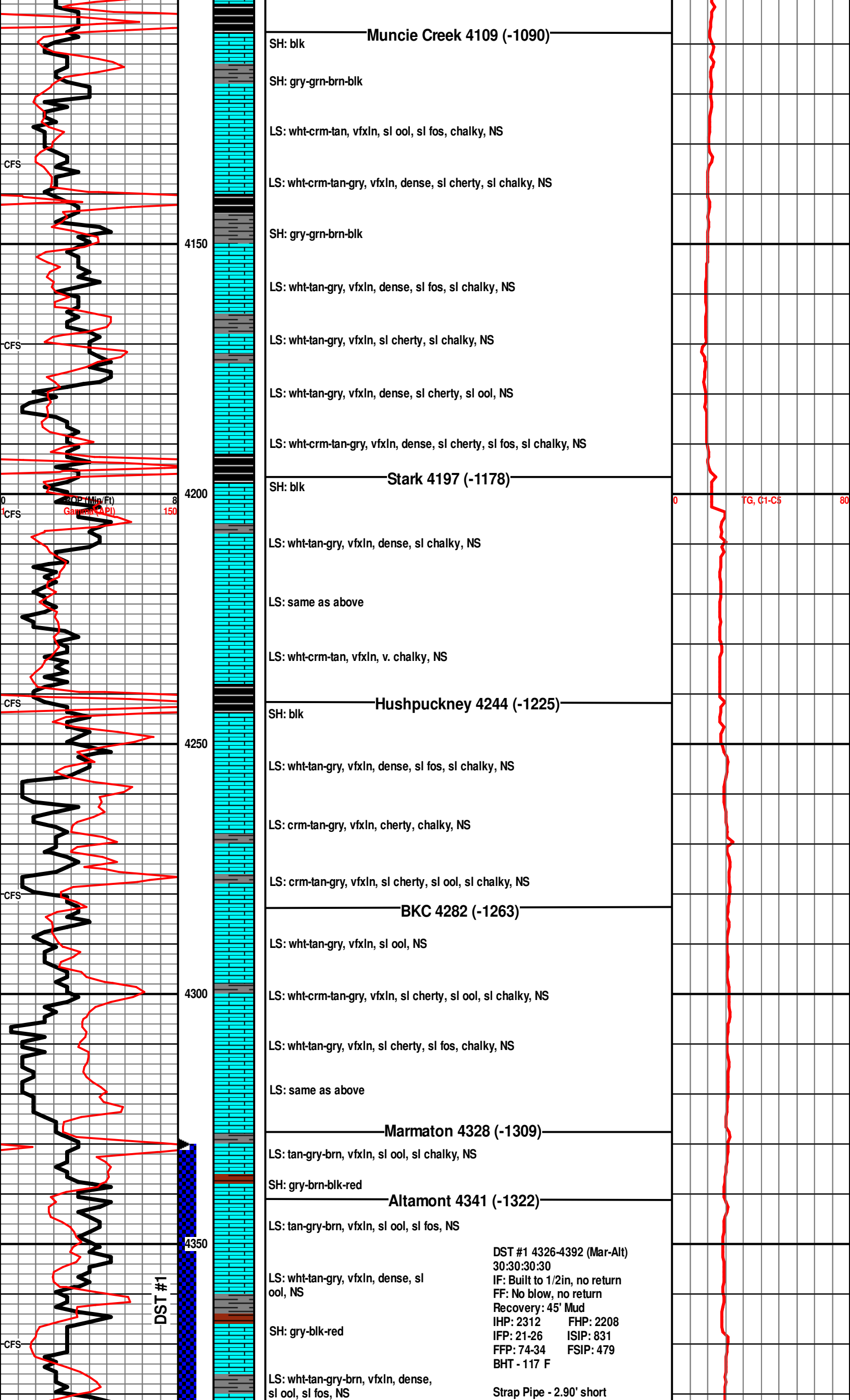
EVENT

- Rft
- Sidewall
- Dst
- Open hole
- Perforations









Muncie Creek 4109 (-1090)

SH: blk

SH: gry-grn-brn-blk

LS: wht-crm-tan, vfxln, sl ool, sl fos, chalky, NS

LS: wht-crm-tan-gry, vfxln, dense, sl cherty, sl chalky, NS

SH: gry-grn-brn-blk

LS: wht-tan-gry, vfxln, dense, sl fos, sl chalky, NS

LS: wht-tan-gry, vfxln, sl cherty, sl chalky, NS

LS: wht-tan-gry, vfxln, dense, sl cherty, sl ool, NS

LS: wht-crm-tan-gry, vfxln, dense, sl cherty, sl fos, sl chalky, NS

Stark 4197 (-1178)

SH: blk

LS: wht-tan-gry, vfxln, dense, sl chalky, NS

LS: same as above

LS: wht-crm-tan, vfxln, v. chalky, NS

Hushpuckney 4244 (-1225)

SH: blk

LS: wht-tan-gry, vfxln, dense, sl fos, sl chalky, NS

LS: crm-tan-gry, vfxln, cherty, chalky, NS

LS: crm-tan-gry, vfxln, sl cherty, sl ool, sl chalky, NS

BKC 4282 (-1263)

LS: wht-tan-gry, vfxln, sl ool, NS

LS: wht-crm-tan-gry, vfxln, sl cherty, sl ool, sl chalky, NS

LS: wht-tan-gry, vfxln, sl cherty, sl fos, chalky, NS

LS: same as above

Marmaton 4328 (-1309)

LS: tan-gry-brn, vfxln, sl ool, sl chalky, NS

Altamont 4341 (-1322)

SH: gry-brn-blk-red

LS: tan-gry-brn, vfxln, sl ool, sl fos, NS

LS: wht-tan-gry, vfxln, dense, sl ool, NS

SH: gry-blk-red

LS: wht-tan-gry-brn, vfxln, dense, sl ool, sl fos, NS

DST #1 4326-4392 (Mar-Alt)
 30:30:30:30
 IF: Built to 1/2in, no return
 FF: No blow, no return
 Recovery: 45' Mud
 IHP: 2312 FHP: 2208
 IFP: 21-26 ISIP: 831
 FFP: 74-34 FSIP: 479
 BHT - 117 F

Strap Pipe - 2.90' short

DST #1

0

TG, C1-C5

80

ROP (Min/Ft)
Gamma Ray (API)

4150

4200

4250

4300

4350

CFS

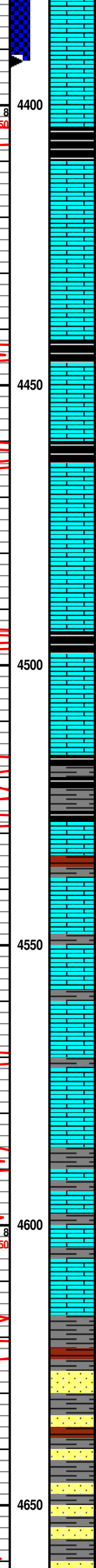
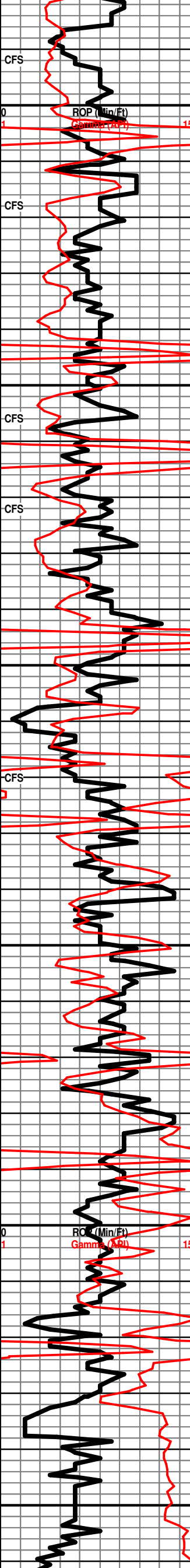
CFS

CFS

CFS

CFS

CFS



LS: same as above

SH: gry-grn-brn-blk-red

LS: crm-tan-gry, vfxln, sl ool, sl fos, NS

SH: blk

Pawnee 4420 (-1401)

LS: crm-tan-gry, vfxln, dense, sl ool, sl fos, NS

LS: same as above

LS: wht-crm-tan-gry, dense, sl cherty, sl ool, sl fos, v. sl stn, nsfo, no odor

SH: blk

Myrick Station 4455 (-1436)

LS: crm-tan-gry, vfxln, dense, cherty, sl ool, sl fos, NS

SH: blk

Fort Scott 4473 (-1454)

LS: crm-tan-gry-brn, vfxln, dense, cherty, sl ool, sl fos, NS

LS: same as above

Cherokee 4499 (-1480)

SH: blk

LS: crm-tan-gry-brn, vfxln, dense, cherty, sl ool, NS

LS: same as above, w/v. wk odor

SH: blk

SH: gry-grn-brn-blk-red

Johnson 4543 (-1524)

LS: crm-tan-gry-brn, vfxln, dense, cherty, ool, sl stn, v. wk odor

LS: crm-tan-gry-brn, vfxln, dense, cherty, sl ool, NS

LS: same as above

LS: crm-tan-gry-brn, vfxln, sl cherty, sl ool, NS

LS: same as above

LS: same as above, w/few sand clusters

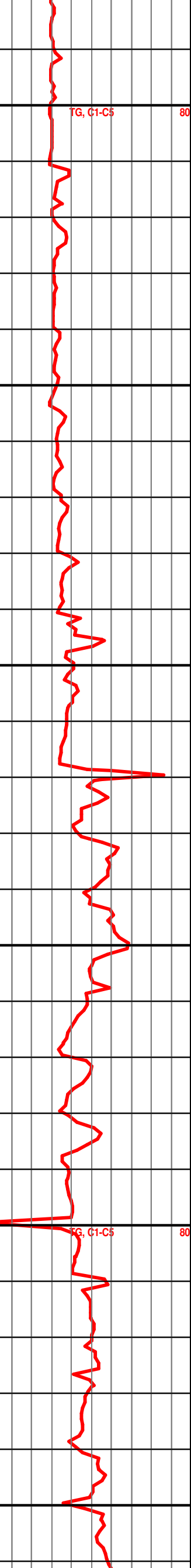
Morrow Shale 4616 (-1597)

SH: gry-grn-red

Sst: wht-clr-grn, vfn-grn, fr-wl srted, firm clusters, NS

SH: gry-grn-yel-red, w/sand clusters

SH: same as above



SH & Sst: same as above, w/LS

Miss 4672 (-1653)

LS: crm-tan-gry-brn, vfxln, sl cherty, sl ool, NS

LS: same as above

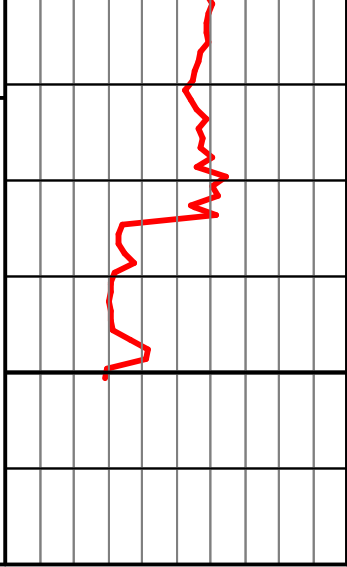
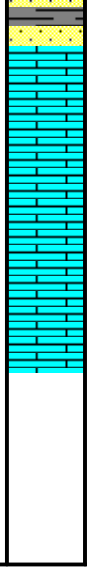
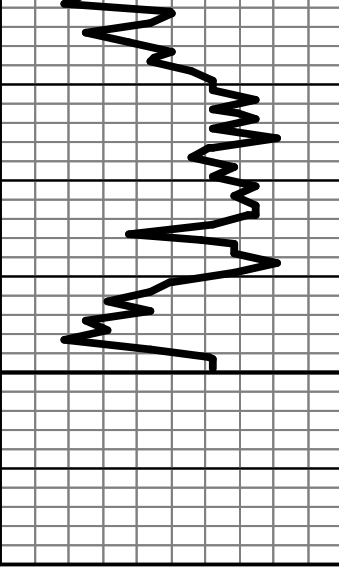
LS: same as above

Survey @ TD - 2 deg

LTD - 4696'

RTD - 4700'

4700



API # 15-109-21431-00-00

Operator: Concorde Resources Corporation Well Name & No: McDaniel #1-22
 Location: 2260 FSL & 1570 FWL, Section 22-15s-34w County: Logan State: Kansas
 Rig No.: 2 Contractor: WW Drilling, LLC Tool Pusher: Lonnie Lang 785-259-3864
 Drill Collars: 16 Size: 6 1/4 x 2 1/4 Rig Phone: 785-259-4388
 Make Pump: National K-380 Liner & Stroke: 6 x 14 Spud 9/4/15 @ 7:30 am
 Approx. TD: 4700 Elevation: 3014 K.B. 3019 KB Hole Complete: 9/11/15 @ 5:15 am
 Mud Co.: KDT Mud Engineer: Ken Rupp Water Haul - Well

Date	09/04/15	09/05/15	09/06/15	09/07/15	09/08/15	09/09/15	09/10/15	09/11/15	09/12/15
Days	1-spud	2-drlg	3-drlg	4-drlg	5-Drlg	6-drlg	7-drlg	8-ctch	9-done
Depth		1341	2738	3405	3964	4292	4428	4700	4700
Ft. Cut		1341	1397	667	559	328	136	272	0
D.T.									
D.T.		1/4-wop							
C.T.		8-woc	1.5	1.75	5.5	8.25	15.5	5	16.75
Bit Wt.	all	15,000	38,000	38,000	38,000	38,000	38,000	38,000	
RPM	100+	100	85	85	85	85	85	85	
Pressure	450	750	800	900	800	800	800	900	
SPM	60	60	60	60	60	60	60	60	
Mud Cost		935	3126	6055	9508	10,688	12,645	13,083	
Mud Wt.		8.6	9.5	9.5	8.6	8.9	8.9	9.1	
Viscosity		27	31	28	50	54	50	56	
Water Loss					7.2	9.6	9.6	10.4	
Chlorides					7000	11,000	12,000	11,000	
L.C.M.					.5#	1/2#	1.5#	1#	
Dev. Sur		1/2°-303'	2490-1°	2960-1°	3544-1°				2°-4700
Dev. Sur		1/2°984'	2020-1°						
Fuel	1017	3729	3334	2938	2543	2204	1865	1469	1243
Water-Pit	full	2.5'	2.5'	2.5'	full	3'	2.5'	2.5'	
ACC Bit Hrs.		9.25	31	52.25	70.25	86	93.5	112.25	
Formation	sd-sh	sd-sh	sh-sd	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm	
Weather	clear	clear	clear	foggy	pcloudy	p/cloudy	p/cloudy	clear	p/cloudy

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	303	303	3.25	3.25	RR	RB 9696	
2	7 7/8	Sm - F-27	4700	4397	112.25	115.5	New	RH 1880	
3								40.6 FPH	
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
303	8 5/8	200	Common, 3% cc, 2% gel	1:00 PM	9:00 PM	Consolidated - did circulate
	plugged	240	60/40 poz-4% gel-1/4# flo-seal	7:45 PM	9/11/15	Allied Cementing

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	4326-4392	30	30	30	30	45' mud
2						
3						50sx @ 2390'
4						100sx @ 1215'
5						50sx @ 350'
6						10sx @ 40'
7						30sx rathole
8						
9						

Surface Casing Furnished by: 7 joints of 8 5/8 23#, tally 295.09', set @ 302.09'

Remarks: Strap & weld surface by WW Drlg - Lane, Anhydrite 2375-2396, Lost Returns @ 3062 200 BBL (1hr), Displaced @ 3412 720 BBL, Short Trip @ 3954' 30 stands (2hrs) & @ 4392', 23 stands (1.5 hrs). Pipe strap 2.09 short. RTD 4700'. Short trip 5 stands (.5 hr). LTD 4696' by Pioneer, logged 2.75 hrs. Plug hole as ordered by Marvin Mills. Plug down @ 7:45 pm, 9/11/15. Release rig @ 11:45 pm, 9/11/15.