KOLAR Document ID: 1813029

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 # 3180
Name: Deutsch, Kent A. dba Deutsch Oil Company
Address 1: 8100 E 22ND ST N, BLDG 600
Address 2:
City: WICHITA State: KS Zip: 67226 + 2307
Contact Person: Kent Deutsch
Phone: (316) 681-3567
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Arron Young
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 #:

08/19/2024 Spud Date or Recompletion Date
08/23/2024 Date Reached TD
10/13/2024 Completion Date or Recompletion Date

API No.: 15-151-22596-00-00
Spot Description:
N2 - SW - NW - NE Sec. 4 Twp. 26 S. R. 11 ☐ East ☑ West
4316 Feet from ☐ North / ☑ South Line of Section
2310 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Pratt
Lease Name: BAUMAN Well #: 8-4
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 1835 Kelly Bushing: 1842
Total Vertical Depth: 4200 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 264 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: 30000 ppm Fluid volume: 160 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Paul's Oilfield Service
Lease Name: Beckerdite License #: 31085
Quarter NW Sec. 21 Twp. 24 S. R. 13 ☐ East ☑ West
County: Stafford Permit #: D26547.0

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:** Kelsey Cox **Date:** 01/22/2025

Operator Name: Deutsch, Kent A. dba Deutsch Oil Company Lease Name: BAUMAN Well #: 8-4

Sec. 4 Twp. 26 S. R. 11 ☐ East ☑ West County: Pratt

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner	3390	1548
Brown Lime	3566	1724
Lansing	3597	1755
Mississippi	4023	2181

CASING RECORD ☐ New ☑ 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
Surface	12.25	8.625	23	264	Common	235	2% gel, 3% cc.
Production	7.875	5.5	15.5	4194	Class A	150	10% salt, 5# gilsonite

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: 10/13/2024

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	50	0	50		

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
4023	4052

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
1	4023	4052			2500 gal. 10% MCA, Frac. 188,210# sand and 8,694 bbls. slick water.

TUBING RECORD: Size: 2.875 Set At: 4025 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Deutsch, Kent A. dba Deutsch Oil Company
Well Name	BAUMAN 8-4
Doc ID	1813029

All Electric Logs Run

Dual Induction
Compensated Neutron Density
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Deutsch, Kent A. dba Deutsch Oil Company
Well Name	BAUMAN 8-4
Doc ID	1813029

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	264	Common	235	2% gel, 3% cc.
Production	7.875	5.5	15.5	4194	Class A	150	10% salt, 5# gilsonite

Geologic Report

Aaron L. Young

Drilling Time and Sample Log

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

Well Name:	**Bauman #8-4**		
API:	**15-151-22596**		
Location:	**Section 4 - T26S - R11W**		
License Number:	**3180**	**Region:**	**Pratt Co., KS**
Spud Date:	**08 / 19 / 2024**	**Drilling Completed:**	**08 / 23 / 2024**
Surface Coordinates:	**4316' FSL and 2310' FEL** **Approx. N2 - SW - NW - NE**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**1835'**	**K.B. Elevation (ft):**	**1842'**
Logged Interval (ft):	**3400'** **To: 4200'**	**Total Depth (ft):**	**4200'**
Formation:	**Kinderhook**		
Type of Drilling Fluid:	**Mud-Co**		

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

OPERATOR

Company: Deutsch Oil Company
Address: 8100 E 22nd St N, Bldg 600
Wichita, KS 67226

GEOLOGIST

Name: Aaron L. Young
Company: Young Consulting LLC
Address: 929 W Douglas Ave
Wichita, KS 67213

General Info

CONTRACTOR: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	HUGHES RR	14-14-14	265'	265'	1.25
2	7-7/8	SMITH MSI516	13-13-13	4200'	3935'	47.75

Surveys: 265'-.25, 771'-.5, 1294'-.75, 1781'-1, 2285'-1, 2695'-.75, 4200'-

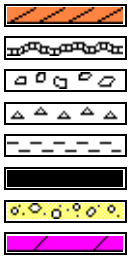
GENERAL DRILLING AND PUMP INFORMATION:
Drilling with 8,000 - 10,000 lbs. on bit and approx 80-90 RPM.
Running 8 stands of collars; 476.54'
Pumping approx 800 psi at standpipe @ 60 SPM

Daily Status

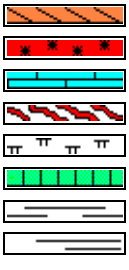
08-19-24 Moving in Pickrell Rig #10 to location. Rig up. Spud well at 3:45 pm. Set 6 jts. of new 8 5/8" 23# surface casing. Set at 264 ft. Cemented with 235 sx. Common, 2% gel, 3% cc. cement. Cement circulated to surface. WOC.
08-20-24 516 ft. at 7:00 am and drilling ahead.
08-21-24 2317 ft. at 7:00 am and drilling ahead. Lost circulation at 2348 ft. Pipe stuck, mix mud, pipe free. Drilling ahead.
08-22-24 3296 ft. at 7:00 am and drilling ahead.
08-23-24 4087 ft. at 7:00 am and drilling ahead.
08-24-24 Runing production casing at 7:00 am. Ran 101jts. 15 ½", 15.5# casing set at 4194 ft. Cemented with 150 sx, Class A, 10% salt, 5# gilsonite cement. Plug down at 11:20 am. Release rig.

Log Tops		
Heebner	3390	-1548
Brown Lime	3566	-1724
Lansing	3597	-1755
Hertha	3877	-2035
BKC	3926	-2084
Mississippi	4025	-2183
Kinderhook	4101	-2259

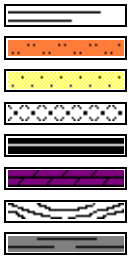
ROCK TYPES



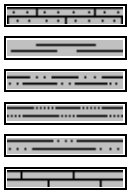
Anhy
Bent
Brec
Cht
Clyst
Coal
Congl
Dol



Gyp
Igne
Lmst
Meta
Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till
Carb sh
Dol
Dtd
Gry sh



Sandylms
Shale
Sltstn
Shlyslts
Sltysh
Lms

ACCESSORIES

MINERAL
- 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
- Chlorite
- Dol
- Sand
- Slty

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

STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

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

OTHER SYMBOLS

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

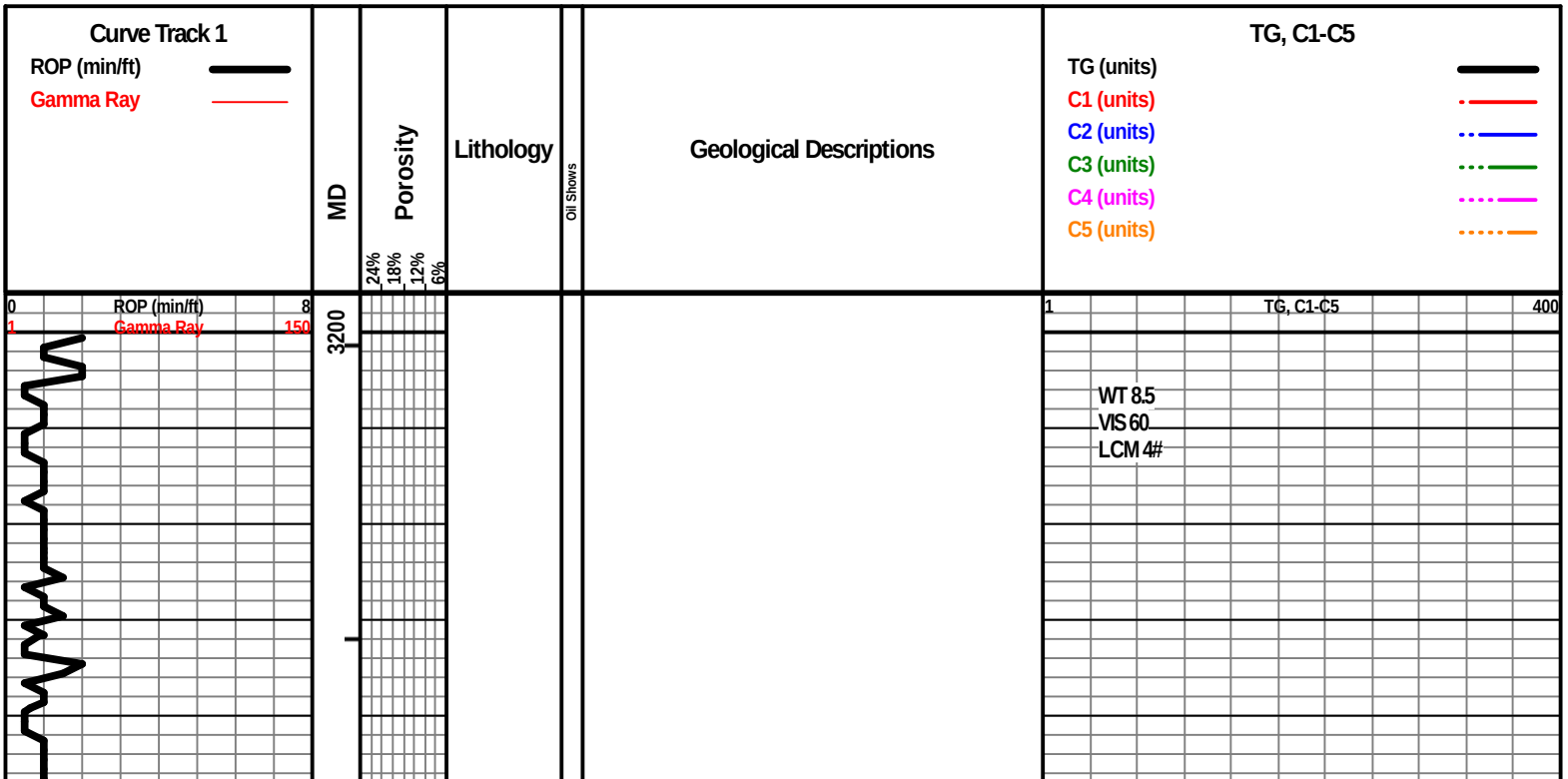
SORTING
- Well
- Moderate
- Poor

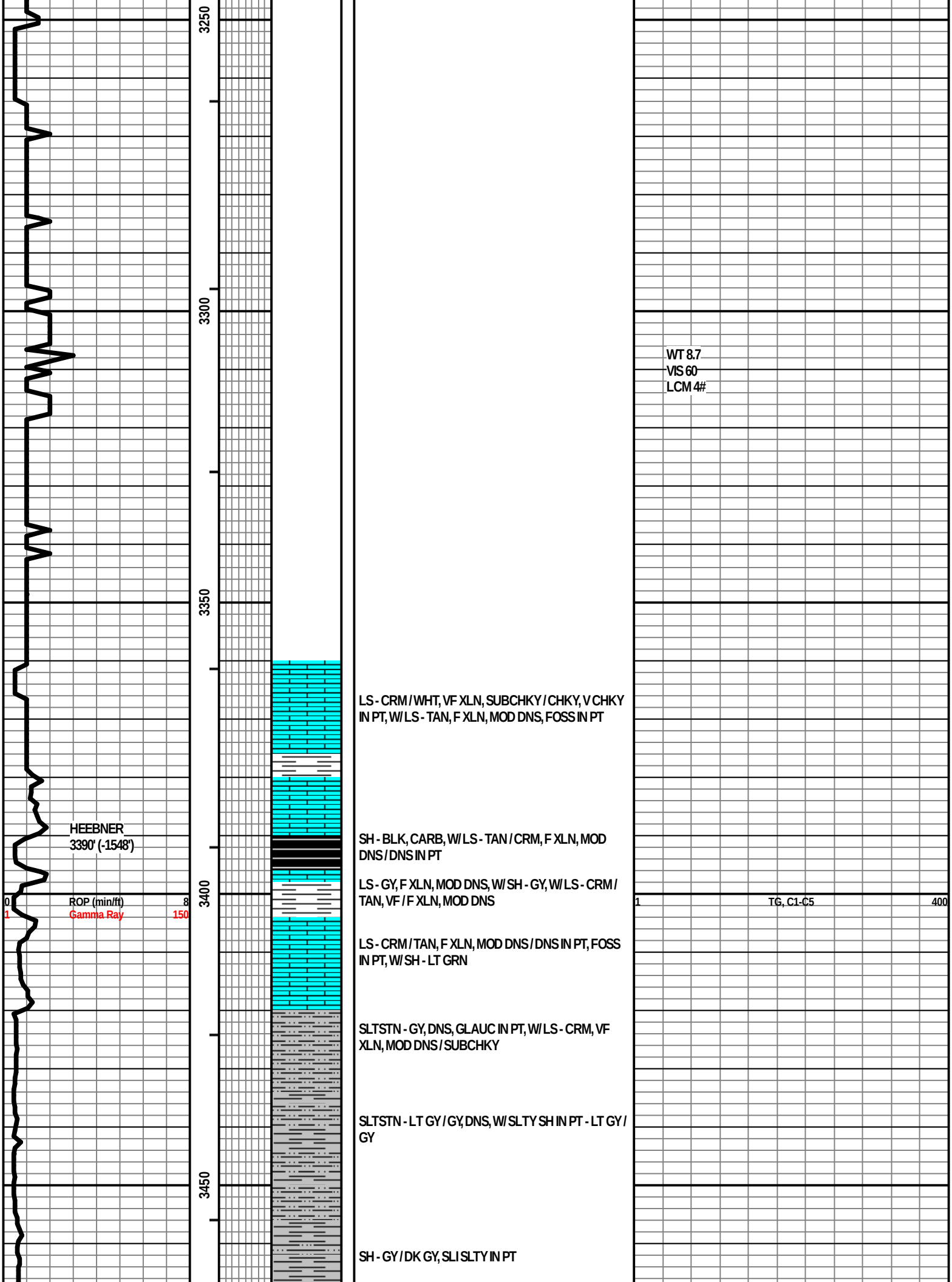
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

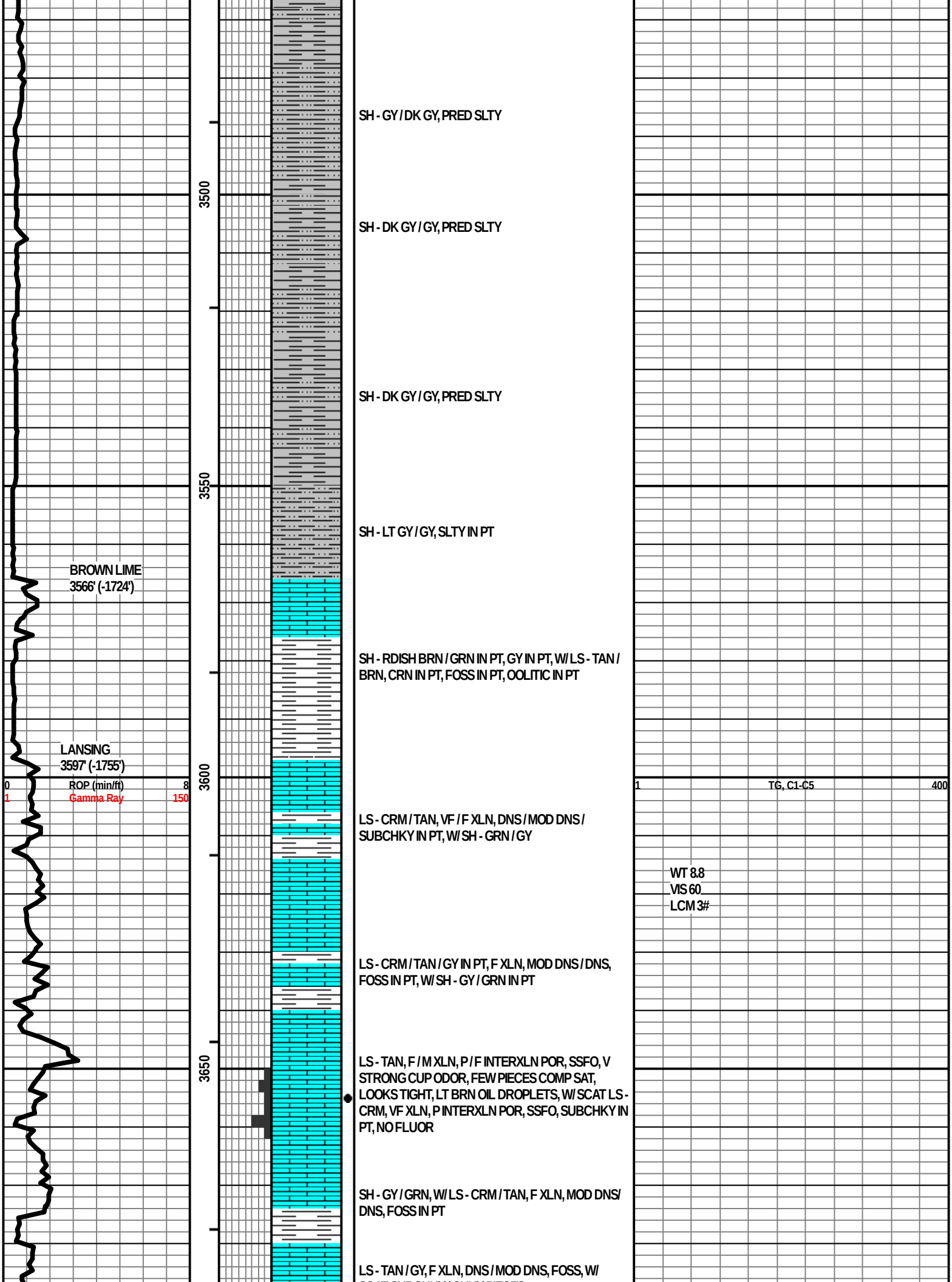
OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

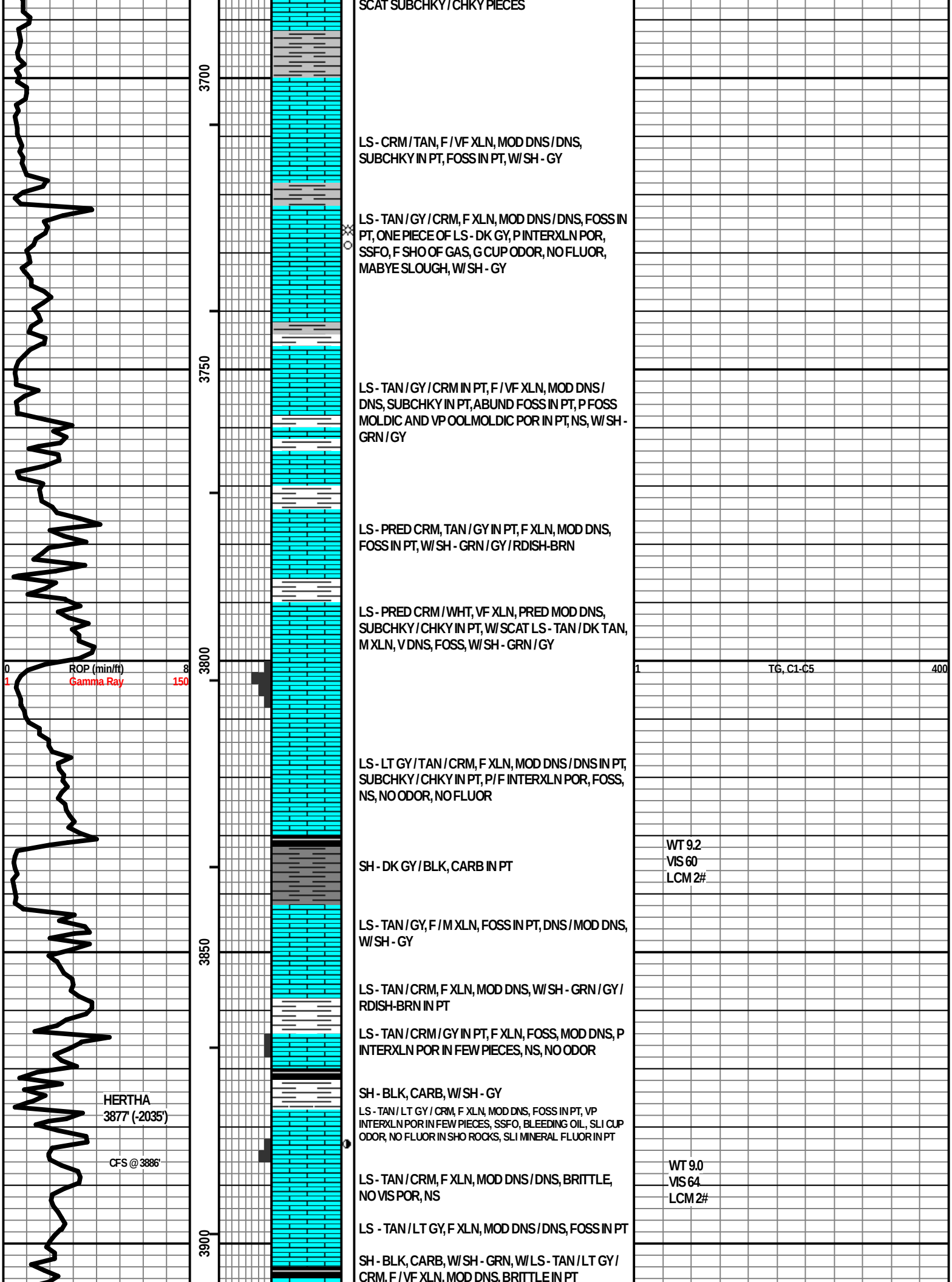
INTERVALS
- Core
- Dst
- Dst

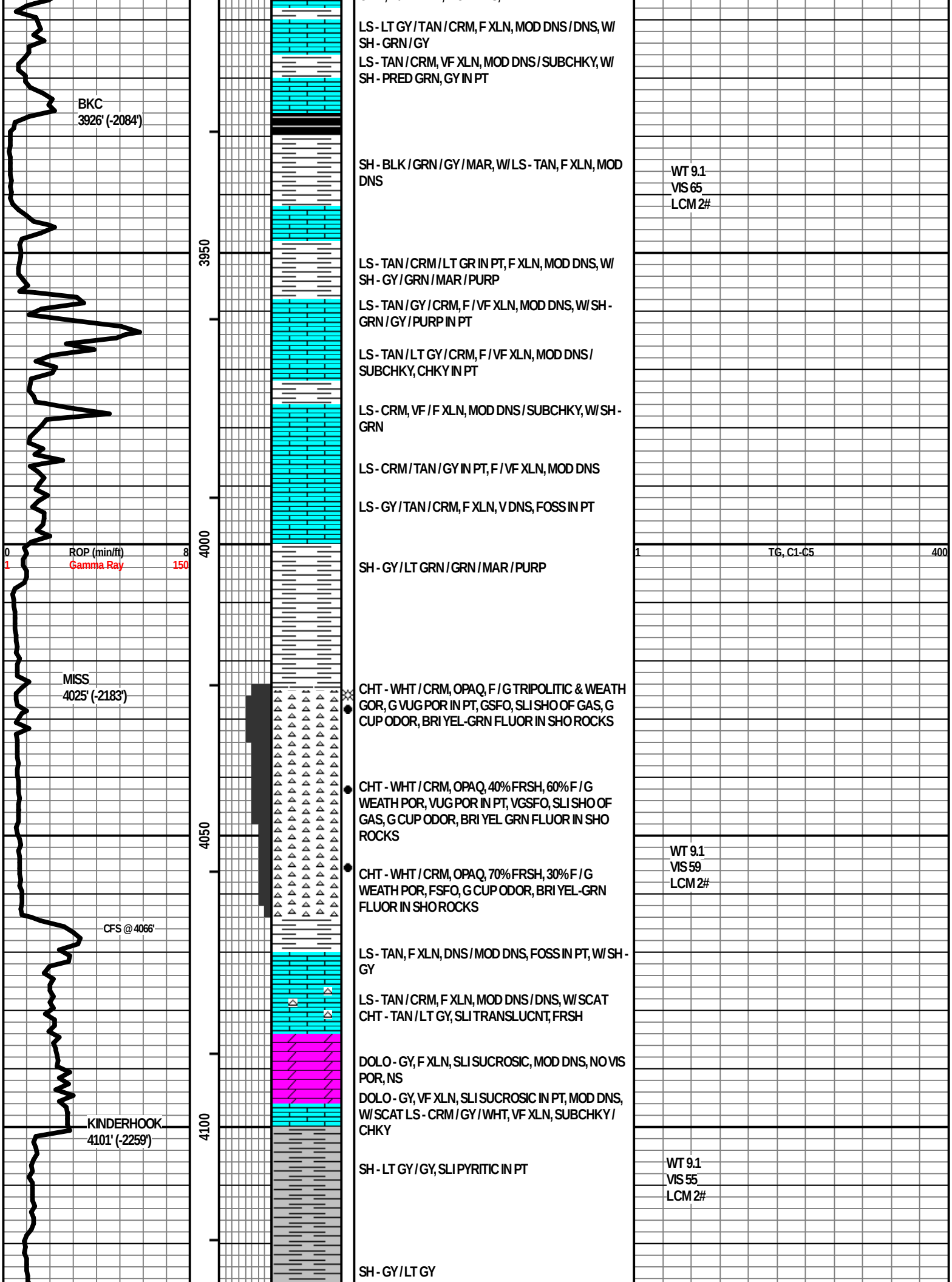
EVENTS
- Rft
- Sidewall
- Conn

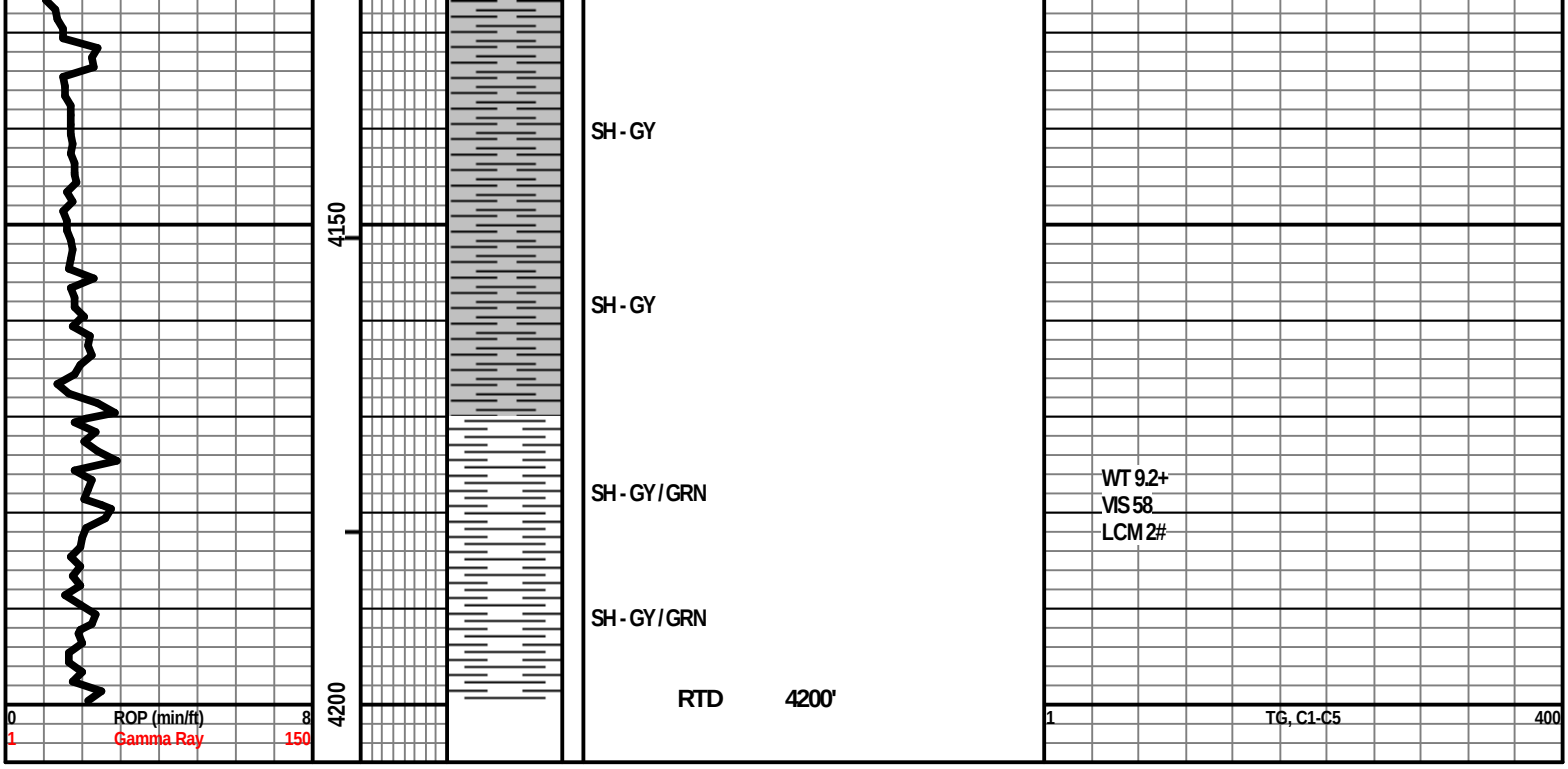



3250
3300
3350
3400
3450
WT 8.7
VIS 60
LCM 4#
HEEBNER
3390' (-1548')
LS - CRM / WHT, VF XLN, SUBCHKY / CHKY, V CHKY IN PT, W/ LS - TAN, F XLN, MOD DNS, FOSS IN PT
SH - BLK, CARB, W/ LS - TAN / CRM, F XLN, MOD DNS / DNS IN PT
LS - GY, F XLN, MOD DNS, W/ SH - GY, W/ LS - CRM / TAN, VF / F XLN, MOD DNS
LS - CRM / TAN, F XLN, MOD DNS / DNS IN PT, FOSS IN PT, W/ SH - LT GRN
SLTSTN - GY, DNS, GLAUC IN PT, W/ LS - CRM, VF XLN, MOD DNS / SUBCHKY
SLTSTN - LT GY / GY, DNS, W/ SLTY SH IN PT - LT GY / GY
SH - GY / DK GY, SLI SLTY IN PT
0
ROP (min/ft)
8
1
Gamma Ray
150
1
TG, C1-C5
400


3500
3550
3600
3650
SH - GY / DK GY, PRED SLTY
SH - DK GY / GY, PRED SLTY
SH - DK GY / GY, PRED SLTY
SH - LT GY / GY, SLTY IN PT
BROWN LIME
3566' (-1724')
SH - RDISH BRN / GRN IN PT, GY IN PT, W/ LS - TAN / BRN, CRN IN PT, FOSS IN PT, OOLITIC IN PT
LANSING
3597' (-1755')
0
ROP (min/ft)
8
1
Gamma Ray
150
1
TG, C1-C5
400
LS - CRM / TAN, VF / F XLN, DNS / MOD DNS / SUBCHKY IN PT, W/ SH - GRN / GY
WT 8.8
VIS 60
LCM 3#
LS - CRM / TAN / GY IN PT, F XLN, MOD DNS / DNS, FOSS IN PT, W/ SH - GY / GRN IN PT
LS - TAN, F / M XLN, P / F INTERXLN POR, SSFO, V STRONG CUP ODOR, FEW PIECES COMP SAT, LOOKS TIGHT, LT BRN OIL DROPLETS, W/ SCAT LS - CRM, VF XLN, P INTERXLN POR, SSFO, SUBCHKY IN PT, NO FLUOR
SH - GY / GRN, W/ LS - CRM / TAN, F XLN, MOD DNS/ DNS, FOSS IN PT
LS - TAN / GY, F XLN, DNS / MOD DNS, FOSS, W/


SCAT SUBCHKY / CHKY PIECES
3700
LS - CRM / TAN, F / VF XLN, MOD DNS / DNS, SUBCHKY IN PT, FOSS IN PT, W/ SH - GY
LS - TAN / GY / CRM, F XLN, MOD DNS / DNS, FOSS IN PT, ONE PIECE OF LS - DK GY, P INTERXLN POR, SSFO, F SHO OF GAS, G CUP ODOR, NO FLUOR, MABYE SLOUGH, W/ SH - GY
3750
LS - TAN / GY / CRM IN PT, F / VF XLN, MOD DNS / DNS, SUBCHKY IN PT, ABUND FOSS IN PT, P FOSS MOLDIC AND VP OOLMOLDIC POR IN PT, NS, W/ SH - GRN / GY
LS - PRED CRM, TAN / GY IN PT, F XLN, MOD DNS, FOSS IN PT, W/ SH - GRN / GY / RDISH-BRN
LS - PRED CRM / WHT, VF XLN, PRED MOD DNS, SUBCHKY / CHKY IN PT, W/ SCAT LS - TAN / DK TAN, M XLN, V DNS, FOSS, W/ SH - GRN / GY
3800
0
ROP (min/ft)
8
1
Gamma Ray
150
1
TG, C1-C5
400
LS - LT GY / TAN / CRM, F XLN, MOD DNS / DNS IN PT, SUBCHKY / CHKY IN PT, P / F INTERXLN POR, FOSS, NS, NO ODOR, NO FLUOR
WT 9.2
VIS 60
LCM 2#
SH - DK GY / BLK, CARB IN PT
LS - TAN / GY, F / M XLN, FOSS IN PT, DNS / MOD DNS, W/ SH - GY
3850
LS - TAN / CRM, F XLN, MOD DNS, W/ SH - GRN / GY / RDISH-BRN IN PT
LS - TAN / CRM / GY IN PT, F XLN, FOSS, MOD DNS, P INTERXLN POR IN FEW PIECES, NS, NO ODOR
SH - BLK, CARB, W/ SH - GY
HERTHA
3877' (-2035')
LS - TAN / LT GY / CRM, F XLN, MOD DNS, FOSS IN PT, VP INTERXLN POR IN FEW PIECES, SSFO, BLEEDING OIL, SLI CUP ODOR, NO FLUOR IN SHO ROCKS, SLI MINERAL FLUOR IN PT
CFS @ 3886'
WT 9.0
VIS 64
LCM 2#
LS - TAN / CRM, F XLN, MOD DNS / DNS, BRITTLE, NO VIS POR, NS
LS - TAN / LT GY, F XLN, MOD DNS / DNS, FOSS IN PT
3900
SH - BLK, CARB, W/ SH - GRN, W/ LS - TAN / LT GY / CRM, F / VF XLN, MOD DNS, BRITTLE IN PT


BKC
3926' (-2084')
MISS
4025' (-2183')
CFS @ 4066'
KINDERHOOK
4101' (-2259')
3950
4000
4050
4100
0
ROP (min/ft)
8
1
Gamma Ray
150
1
TG, C1-C5
400
LS - LT GY / TAN / CRM, F XLN, MOD DNS / DNS, W/ SH - GRN / GY
LS - TAN / CRM, VF XLN, MOD DNS / SUBCHKY, W/ SH - PRED GRN, GY IN PT
SH - BLK / GRN / GY / MAR, W/ LS - TAN, F XLN, MOD DNS
WT 9.1
VIS 65
LCM 2#
LS - TAN / CRM / LT GR IN PT, F XLN, MOD DNS, W/ SH - GY / GRN / MAR / PURP
LS - TAN / GY / CRM, F / VF XLN, MOD DNS, W/ SH - GRN / GY / PURP IN PT
LS - TAN / LT GY / CRM, F / VF XLN, MOD DNS / SUBCHKY, CHKY IN PT
LS - CRM, VF / F XLN, MOD DNS / SUBCHKY, W/ SH - GRN
LS - CRM / TAN / GY IN PT, F / VF XLN, MOD DNS
LS - GY / TAN / CRM, F XLN, V DNS, FOSS IN PT
SH - GY / LT GRN / GRN / MAR / PURP
CHT - WHT / CRM, OPAQ, F / G TRIPOLITIC & WEATH GOR, G VUG POR IN PT, GSFO, SLI SHO OF GAS, G CUP ODOR, BRI YEL-GRN FLUOR IN SHO ROCKS
CHT - WHT / CRM, OPAQ, 40% FRSH, 60% F / G WEATH POR, VUG POR IN PT, VGSFO, SLI SHO OF GAS, G CUP ODOR, BRI YEL GRN FLUOR IN SHO ROCKS
WT 9.1
VIS 59
LCM 2#
CHT - WHT / CRM, OPAQ, 70% FRSH, 30% F / G WEATH POR, FSFO, G CUP ODOR, BRI YEL-GRN FLUOR IN SHO ROCKS
LS - TAN, F XLN, DNS / MOD DNS, FOSS IN PT, W/ SH - GY
LS - TAN / CRM, F XLN, MOD DNS / DNS, W/ SCAT CHT - TAN / LT GY, SLI TRANSLUCNT, FRSH
DOLO - GY, F XLN, SLI SUCROSIC, MOD DNS, NO VIS POR, NS
DOLO - GY, VF XLN, SLI SUCROSIC IN PT, MOD DNS, W/ SCAT LS - CRM / GY / WHT, VF XLN, SUBCHKY / CHKY
SH - LT GY / GY, SLI PYRITIC IN PT
WT 9.1
VIS 55
LCM 2#
SH - GY / LT GY


4150
4200
SH - GY
SH - GY
SH - GY / GRN
SH - GY / GRN
RTD 4200'
WT 9.2+
VIS 58
LCM 2#
0
ROP (min/ft)
8
1
Gamma Ray
150
1
TG, C1-C5
400

Fracture Start Date/Time:	**09/16/2024 04:00AM**
Fracture End Date/Time:	**09/16/2024 06:00PM**
State:	**KS**
County:	**Pratt**
API Number:	**15-151-22596-0000**
Operator Number:	**D**
Well Name:	**Bauman 8-4**
Federal Well:	**No**
Tribal Well:	**No**
Longitude:	**-98.528025**
Latitude:	**37.817377**
Long/Lat Projection:	**NAD83**
True Vertical Depth (TVD):	**4,052'**
Total Clean Fluid Volume* (gal):	**357,252**

(e.g. XX-XXX-XXXXX-0000)

3.0

Additive	*Specific Gravity*	*Additive Quantity*	*Mass (lbs)*	
Water	1.00	**357,252**	***2,981,268***	*gal*
Sand		**180,000**	***180,000***	*lb*
LB-1-Liquid Biocide	1.02	**38**	***323***	*gal*
PSC Frac3	1.03	**188**	***1,616***	*gal*
KCL-LC-SCS-750	1.08	**188**	***1,694***	*gal*
XFR-Non-PAM Friction Reducer	1.20	**113**	***1,132***	*gal*
				gal
				gal
				gal
				gal
				gal
				gal
				gal
				gal
				gal
				gal
				gal
				gal
				gal
			Total Slurry Mass (Lbs) ***3,166,033***	

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments	Claimant Company	Claimant First Name	Claimant Last Name	Claimant Email	Claimant Phone (nnn-nnn-nnnn)
Water	Enterprise Energy	Carrier/Base Fluid	Water	7732-18-5	100.00%	***2,981,268***	***94.16414%***						
Sand	SPS	Propping Agent	Crystalline Silica	14808-60-7	100.00%	***180,000***	***5.68535%***						
LB-1-Liquid Biocide	EES	Biocide	Glutaraldehyde	111-30-8	14.00%	***45***	***0.00143%***						
			Didecyldimethylammonium Chloride	7173-51-5	3.00%	***10***	***0.00031%***						
			Quaternary Ammonium Compounds, Benzyl-C12-C16	68424-85-1	3.00%	***10***	***0.00031%***						
			Proprietary	Proprietary	79.00%	***256***	***0.00807%***		EES	Leon	Joyce	leon@eesokc.com	405-843-8996
PSC Frac3	Advance BioCatalytics	Surfactant	Surfactant	Proprietary	40.00%	***646***	***0.02042%***		Advance BioCatalytics	Brigitte	Winkler	sales@abiocat.com	949-442-0880
			Water	7732-18-5	60.00%	***970***	***0.03062%***						
KCL-LC-SCS-750	Strategy Oilfield	Liquid Potassium Chloride Substitute	Choline Chloride	67-48-1	75.00%	***1,271***	***0.04014%***						
			Water	7732-18-5	25.00%	***424***	***0.01338%***						
XFR-Non-PAM Friction Red	Advanced Chemical Solut	Friction Reducer	Proprietary Copolymer	Proprietary	100.00%	***1,132***	***0.03574%***		Advanced Chemical Solu	Justin	Heeke	justinheeke@doublesdownho	405-823-8161
									Strategy Oilfield	Greg	Ferguson	gferguson@strategyoilfieldse	940-736-0352

*Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information

Fracture Start Date/Time:	**01/12/2024 04:00AM**
Fracture End Date/Time:	**01/12/2024 09:00PM**
State:	**KS**
County:	**Pratt**
API Number:	**15-151-22092-0000**
Operator Number:	**D**
Well Name:	**Dietz 5-8 OWWO**
Federal Well:	**No**
Tribal Well:	**No**
Longitude:	**-98.660829**
Latitude:	**37.710147**
Long/Lat Projection:	**NAD83**
True Vertical Depth (TVD):	**4,174**
Total Clean Fluid Volume* (gal):	**359,058**

FracFocus Chemical Disclosure Registry

(e.g. XX-XXX-XXXXX-0000)

Total Slurry Mass (Lbs)
3,182,697

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments	Claimant Company	Claimant First Name	Claimant Last Name	Claimant Email	Claimant Phone (nnn-nnn-nnnn)
Water	Deutsch Oil	Carrier/Base Fluid	Water	7732-18-5	100.00%	**2,996,339**	***94.14000%***						
Sand	SPS	Propping Agent		Listed Below									
LB-1-Liquid Biocide	EES	Biocide		Listed Below									
PSC Frac1	Advance BioCatalytics	Surfactant		Listed Below									
KCL-LC Liquid KCl Substit	Strategy Oilfield	Liquid Potassium Chloride Substitute		Listed Below									
PB-1-FR Breaker	EES	Breaker		Listed Below									
FRA-1-Friction Reducer	Chemplex Chemical	Friction Reducer		Listed Below									
LBC-2-SP-690	Strategy Oilfield	Corrosion Inhibitor		Listed Below									
			Crystalline Silica	14808-60-7	100.00%	*180,000*	*5.66000%*						
			Glutaraldehyde	111-30-8	14.00%	*106*	*0.00300%*						
			Didecyldimethylammonium Chloride	7173-51-5	3.00%	*23*	*0.00071%*						
			Quaternary Ammonium Compounds, Benzyl-C12-C16	68424-85-1	3.00%	*23*	*0.00071%*						
			Proprietary	Proprietary	79.00%	*598*	*0.01880%*		EES	Leon	Joyce	leon@eesokc.com	405-843-8996
			Surfactant	Proprietary	40.00%	*609*	*0.01912%*		Advance BioCatalytics	Brigitte	Winkler	sales@abiocat.com	949-442-0880
			Water	7732-18-5	60.00%	*913*	*0.02868%*						
			Choline Chloride	67-48-1	75.00%	*1,196*	*0.03759%*						
			Water	7732-18-5	25.00%	*399*	*0.01253%*						
			Sodium Chlorite	7758-19-2	10.00%	*68*	*0.00214%*						
			Water	7732-18-5	90.00%	*613*	*0.01927%*						
			Distillates (petroleum), Hydrotreated Light	64742-47-8	20.00%	*219*	*0.00689%*						
			Oleic Acid Diethanolamide	93-83-4	2.00%	*22*	*0.00069%*						
			Ammonium Chloride ((NH4)Cl)	12125-02-9	1.00%	*11*	*0.00034%*						
			Water	7732-18-5	77.00%	*845*	*0.02654%*						
			Methanol	67-56-1	30.00%	*212*	*0.00665%*						
			Corrosion Inhibitor	Proprietary	10.00%	*71*	*0.00222%*		Strategy Oilfield	Greg	Ferguson	gferguson@strategyoilfieldse	940-736-0352
			Water	7732-18-5	60.00%	*423*	*0.01330%*						

*Total Water Volume sources may include fresh water, produced water, and/or recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%
All component information

QUALITY WELL SERVICE, INC.

8615

Federal Tax I.D. # 481187368
Home Office 30060 N. Hwy 281, Pratt, KS 67124
Mailing Address P.O. Box 468
Office 620-786-6992
Fax 620-672-3663
Todd's Cell 620-388-4967
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-19-24	4	26S	11W	PRATT	KS		

Lease BAUMAN Well No. 3-4 Location

Contractor P. DZELL DRLG RIG #10 Owner

Type Job SURFACE

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size	12¼	T.D. 265'
Csg.	8⅝ 23#	Depth 264
Tbg. Size		Depth
Tool		Depth
Cement Left in Csg.		Shoe Joint 20
Meas Line		Displace 15.6 Bbls

Charge To DEUTSCH OIL CO.

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 235 sc Com 2% GEL 3% CC ½# PS

EQUIPMENT

Pumptrk 3	No.		
Bulktrk 10	No.		
Bulktrk 12	No.		
Pickup	No.		

JOB SERVICES & REMARKS

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 6 JTS 8⅝ 23# CSG SET @ 264'
START CSG CSG on Bottom
Hook up to CSG & BREAK CIRC W/RIG
START PUMPING 10 Bbls H2O
START MIX Pump 235sc Com 2% GEL 3% CC ½# PS @ 14.8#/GAL
START DISP
Close Valve on CSG 200# 15.6 Bbls
Good CIRC thru JOB
CIRC CMT TO PIT
WOC 30 min JET CELLAR
Dropped Plug

THANK YOU
PLEASE CALL AGAIN
TODD BRADY TRAVIS JACOB

X Signature

Common	235 sc
Poz. Mix	
Gel.	442 lbs
Calcium	663 lbs
Hulls	
Salt	
Flowseal	119 lbs
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	255
Mileage	10 / 3750

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
LWW 10	
Pumptrk Charge	SURFACE
Mileage	20
Tax	
Discount	
Total Charge	

Taylor Printing, Inc.

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 1318
LOCATION Victoria
FOREMAN Pinter

FIELD TICKET & TREATMENT REPORT

CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-24-24		Bauman #8-4	4	26S	11W	Pratt

CUSTOMER: Deutsch Oil Co.
MAILING ADDRESS:
CITY: STATE: ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
103	Josh T		
201	Chris K		

JOB TYPE Longstring HOLE SIZE 7 7/8" HOLE DEPTH 4200' CASING SIZE & WEIGHT 5½" 15.5#
CASING DEPTH 4193' DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.4# SLURRY VOL 1.41' WATER gal/sk 6.4 gal CEMENT LEFT in CASING 42.09'
DISPLACEMENT 98.75 BBLs DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting. Rig up on Pioneer 10. Run 5½" casing. Hook. rotate casing. Circulate for 1 hr. Pump 500 gal mudflush. 20 Bbls KCL. Plug rathole w/ 30 sacks. mix 20 sacks 60/40 at 13#. Tail in w/ 150 sacks class A 10% salt 5# gilsonite. Wash up lines. Displace plug. Lift pressure 1000#. Land plug 1500#. held. Release to truck - held.

Thank you
P. + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC004	1	PUMP CHARGE	$2500.00	$2500.00
M001	106	MILEAGE	$6.50	$689.00
M002	10.05 tons	Ton mileage delivery	$1597.95	$1597.95
CE002	1	rotating head charge	$400.00	$400.00
C9014	4 gal.	KCL	$30.00	$120.00
CDP13	500 gal.	mudflush	$1.00	$500.00
CB010	40 sacks	60/40 4% gel ¼# flosseal	$17.35	$867.50
CB031	150 sacks	common / 10% salt 5# gilsonite	$27.00	$4050.00
FE014	6	5½" turbolizer	$108.00	$648.00
FE022	1	5½" basket	$385.00	$385.00
FE107	1	5½" limit clamp	$35.00	$35.00
FE041	1	5½" AFU guide shoe	$600.00	$600.00
FE005	1	5½" latch down plug assy	$695.00	$695.00
M004	106	medium truck charge	$1.50	$159.00
			sub total	$13,246.45
			less 5% disc.	$662.32
			sub total	$12,584.13
			SALES TAX	723.29
			ESTIMATED TOTAL	13307.42

AUTHORIZATION Cord Denton TITLE DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.