



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

Well Name: WHITAKER-SCHWAB #1H-8X      McCOY PETROLEUM CORP.  
API: 15-119-21441-01  
Location: SEC. 08-30S-30W      MEADE CO., KS  
License Number: 5003      Region: MERTILLA  
Spud Date: 09/18/2019      Drilling Completed: 10/01/2019  
Surface Coordinates: SHL: 330' FSL & 1320' FWL OF S2 S2 S2 SW OF  
SEC. 08-30S-30W MEADE CO., KS  
Bottom Hole REPORT FOR: MR. DAVE CLOTHIER  
Coordinates: LOGGERS: MR. RON CAMPBELL  
Ground Elevation (ft): 2814'      K.B. Elevation (ft): 2835'  
Logged Interval (ft): 4000'      To: 9786'      Total Depth (ft): 9786'  
Formation: CHESTER  
Type of Drilling Fluid: LSND

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

OPERATOR

Company: Mc COY PETROLEUM CORPORATION  
Address: 9342 E CENTRAL  
WICHITA, KS 67206-2573

# GEOLOGIST

Name: MR. DAVE CLOTHIER  
Company: McCOY PETROLEUM CORPORATION  
Address: 9342 E CENTRAL  
WICHITA, KS 67206-2573




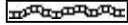
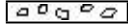




## Well Information



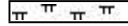

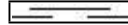
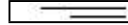



DRILLING CO.: ATLAS DRILLING RIG #7  
MUD CO.: BAROID  
DIRECTIONAL CO.: HALIBURTON  
LEAD- KYLE CROOKS  
NIGH-GARY OPACHICK  
MUDLOGGING:: XGP  
LEAD- RON CAMPBELL ron.campbell@xgpmudlogging.com  
(405) 584-1444






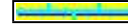



NIGHT- LEVI CAMPBELL levi.campbell@xgpmudlogging.com  
(405) 397-5932

TRAILER: C1 COMP: GS1 HASP: 2 BH: 5236

## ROCK TYPES

 Calc cmtd dolo  
 Chrt\_gnrlr  
 Lmysltst  
 Bent  
 Brec  
 Clyst  
 Coal  
 Congl  
 Dol

 Igne  
 Lmst  
 Mrlst  
 Shale  
 Shale  
 Shcol  
 Sitysh  
 Shgy  
 Ss

 Till  
 Sandylms  
 Hotsh  
 Sltst  
 Dolc ss  
 Lmysnd  
 Calc dolo  
 Dolomtc lm  
 Dolo cmtd lm

 Trip chrt  
 Spic chrt  
 Dolc chrt  
 Dk chrt  
 Chrt  
 Calc chrt

### ACCESSORIES

#### FOSSIL

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

- Pisolite
- Plant
- Strom
- Crin

#### MINERAL

- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Carb
- Chtdk
- Chtlt
- Feldspar
- Qtz
- Hvymin
- Kaol

- Marl
- Minxl
- Phos
- Pyr
- Silt
- Sil
- Calc
- Sand
- Dol
- Sidrte
- Glauc

#### STRINGER

- Arg
- Bent
- Coal
- Dol
- Ls

- Mrst
- Ssstrg
- Sltstrg

#### TEXTURE

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

### OTHER SYMBOLS

#### POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic

- Organic
- Pinpoint
- Vuggy

#### OIL SHOW

- Even

- Spotted
- Ques
- Dead

#### INTERVAL

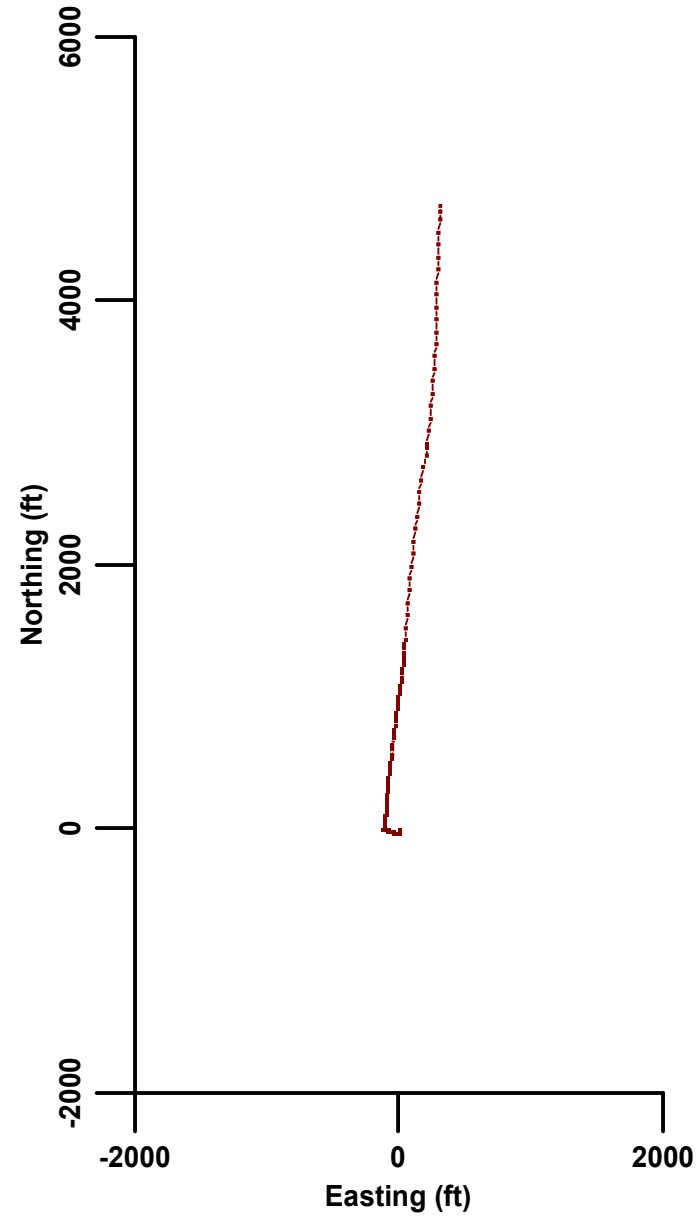
- Core

- Dst

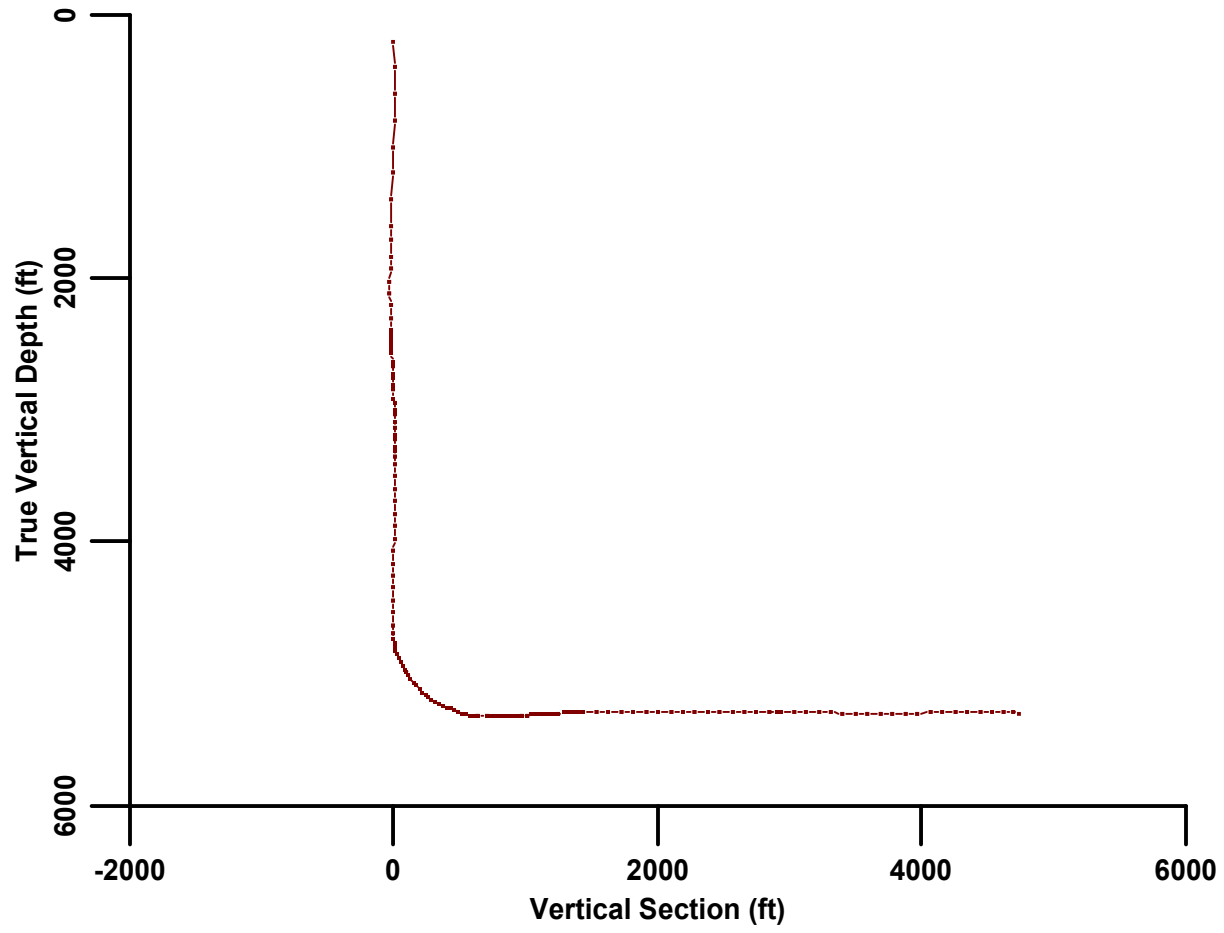
#### EVENT

- Rft
- Sidewall

# Plan





# Elevation



ROP (min/ft)

TG, C1-C5

TG (Units)   
 C1 (units)   
 C2 (units)   
 C3 (units)   
 iC4 (units)   
 nC4 (units)   
 iC-5 

Percentage Lithology

Lithology

Geological Descriptions

MD

GD FR PR  
GD FR PR

FLOR

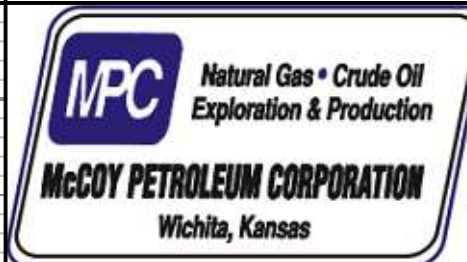
CUT

GD FR PR  
GD FR PR

0 ROP (min/ft) 5

-10 McCOY : WHITAKER-SCHWAB 1H-8X 90

MD 1700 TVD 1699.59  
INC 1.32 AZ 176.57  
N -22.69 E 12.13  
VS -22.67



McCOY PETROLEUM CORPORATION  
 WHITAKER-SCHWAB #1H-8X  
 SEC. 8-30S-30W MEADE CO., KS  
 GL: 2814' KB: 2835'

API: 15-119-21441-01

SHL: 330' FSL & 1320' FWL OF S2 S2  
 S2 SW OF SEC. 8-30S-30W MEADE  
 CO., KS

SPUD ON: 09/18/2019

SET 9 5/8" CASING @ 1805'

SET 7" CASING @ 5723'

DRILLING W/ BIT #3 : 8.75" : SECURITY  
 : MM65D ; 12932468 : 6X16'S : IN @  
 1805'

BEGIN GAS MONITORING @ 1805' ON  
 09/20/2019

DRILLING W/ FRESH WATER

GAS

-10 McCOY : WHITAKER-SCHWAB 1H-8X 90

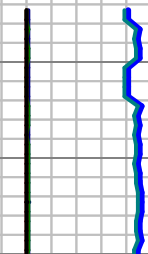
ROP

0 ROP (min/ft) 5

09/20/2019

SURVEYS

WOB-12.4  
RPM- 63  
PP- 1516  
SPM- 113  
GPM-473



1700

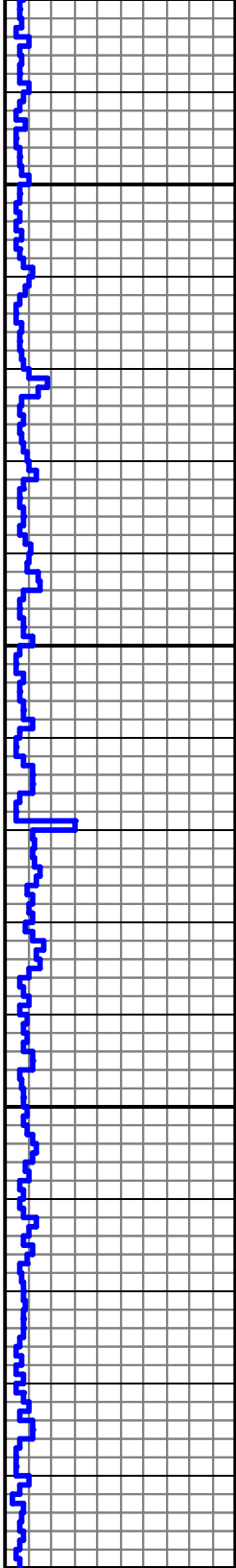
1750

1800

MD 1834 TVD 1833.55  
INC 1.57 AZ 179.36  
N -26.07 E 12.24  
VS -26.04

MD 1927 TVD 1926.49  
INC 2.9 AZ 228.53  
N -28.9 E 10.49  
VS -28.88

WOB- 11.7  
RPM- 64  
PP- 1481  
SPM- 110  
GPM- 462

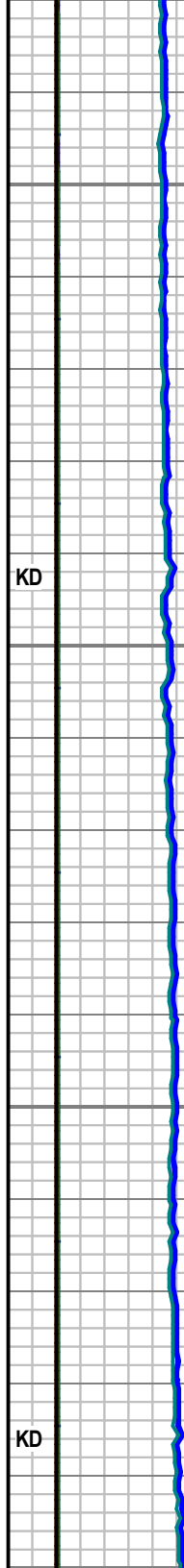
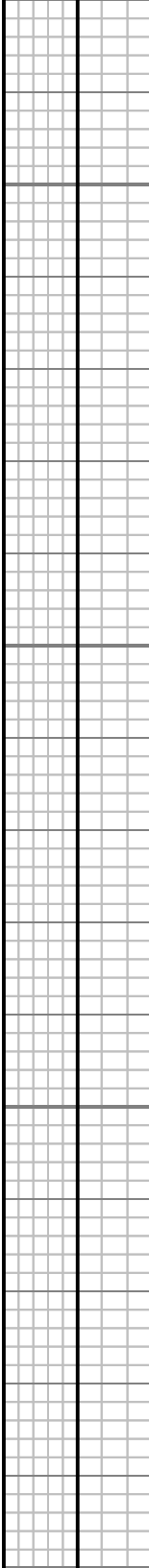
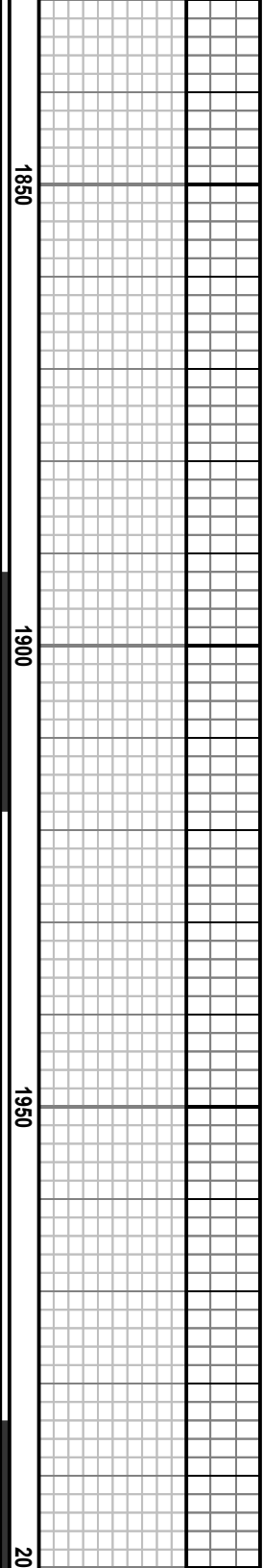


1850

1900

1950

20



KD

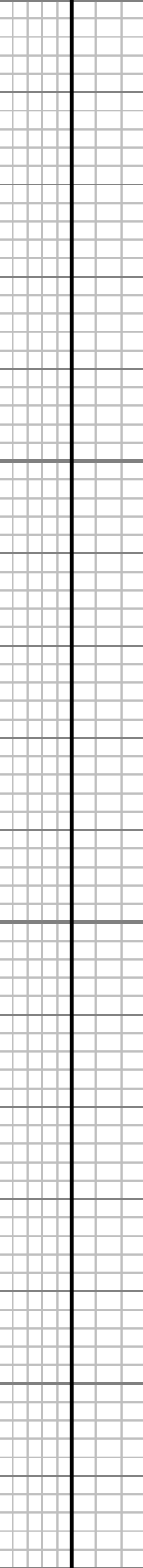
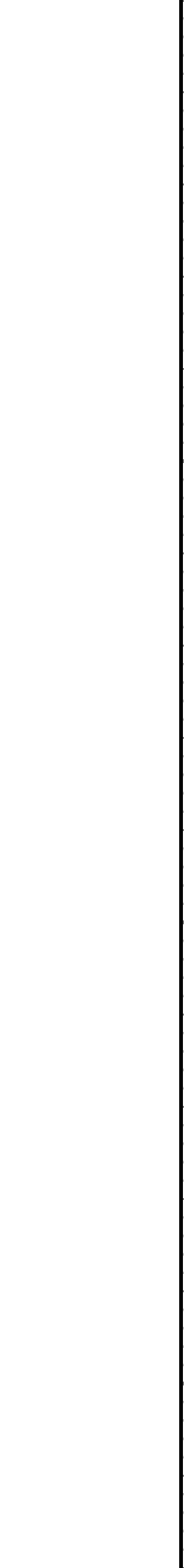
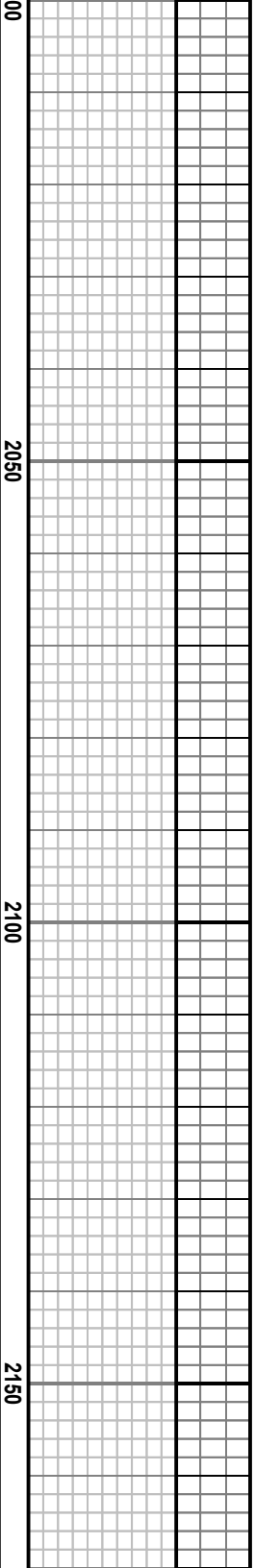
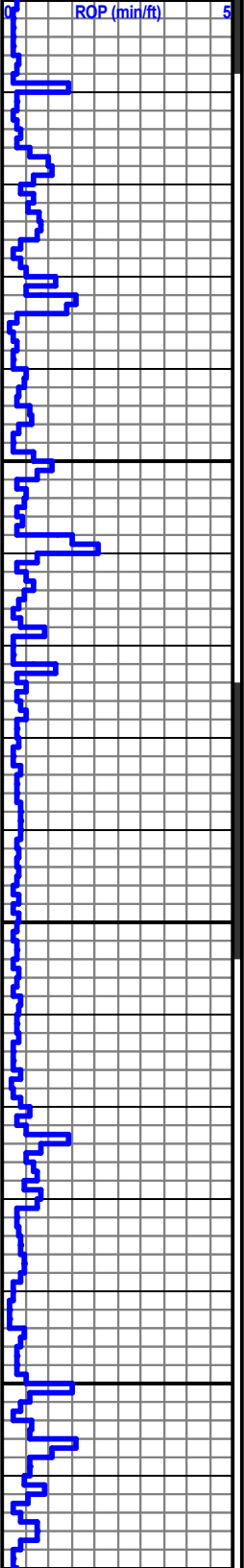
KD

ROP (min/ft)

MD 2019 TVD 2018.35  
INC 3.59 AZ 260.04  
N -30.94 E 5.9  
VS -30.93

WOB- 16.6  
RPM- 0  
PP- 1782  
SPM- 113  
GPM- 473

MD 2111 TVD 2109.99  
INC 6.47 AZ 281.4  
N -30.42 E -2.02  
VS -30.42



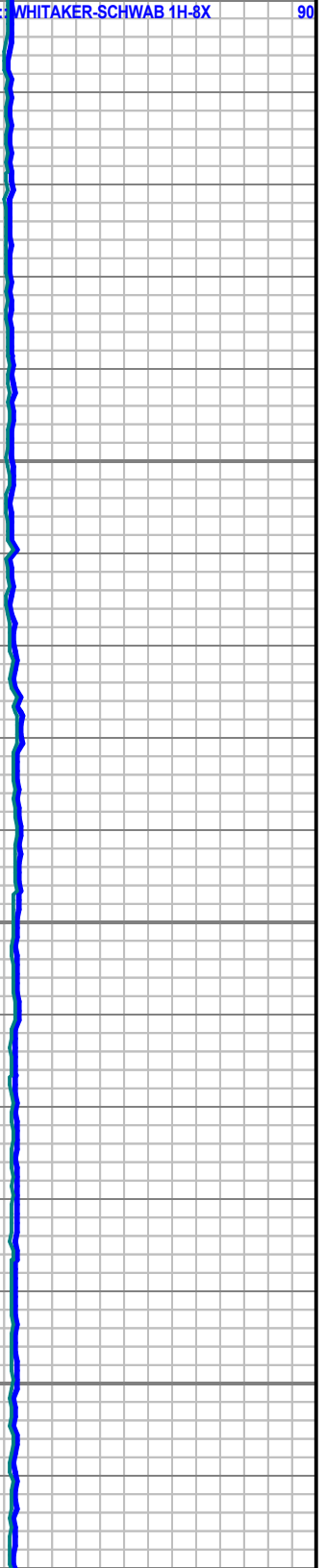
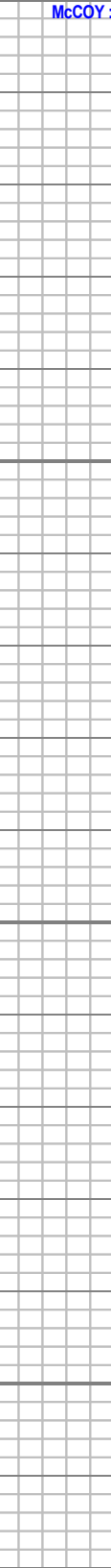
-10

McCOY : WHITAKER-SCHWAB 1H-8X

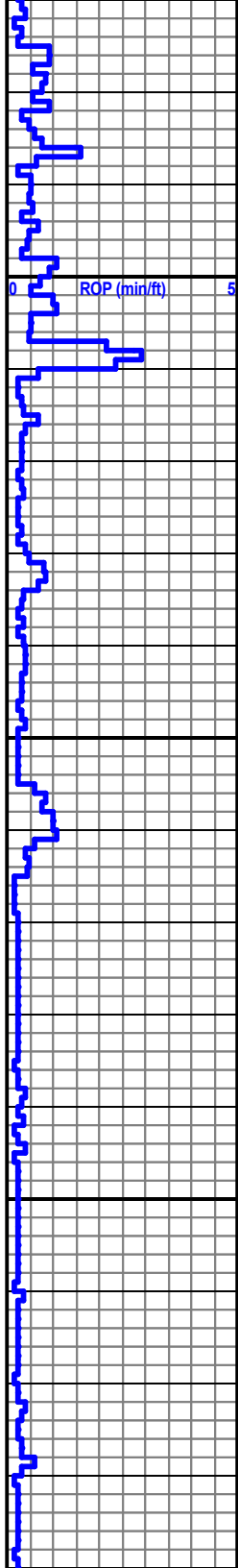
90

KD

KD







2200

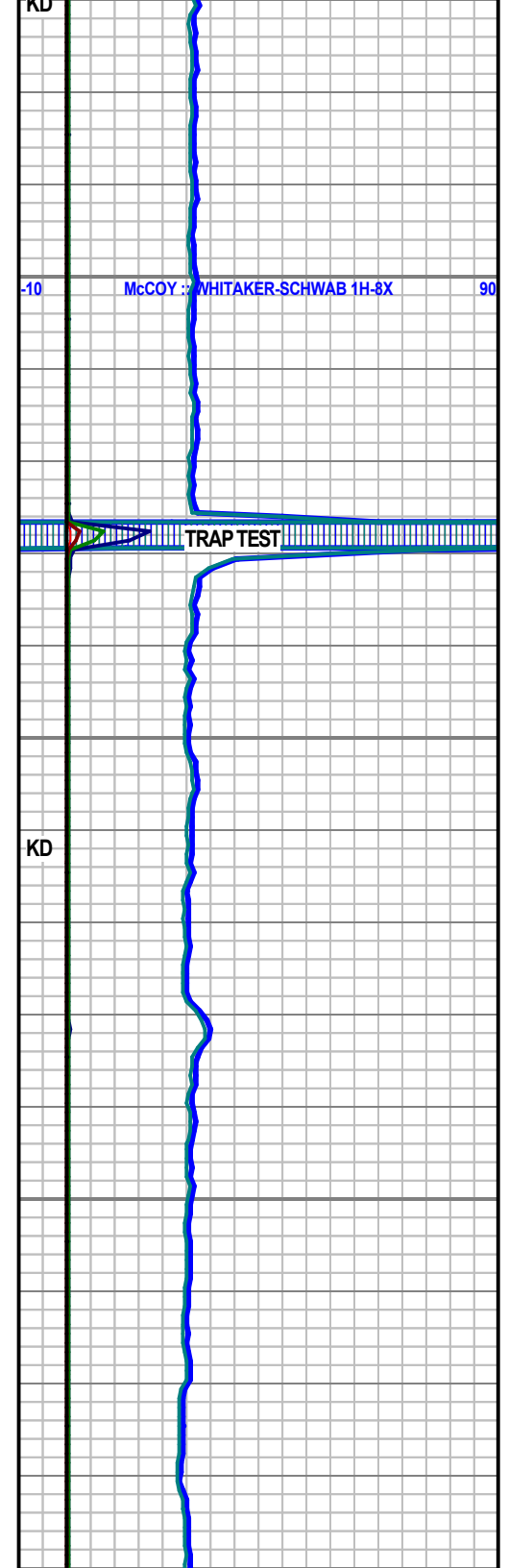
2250

2300

MD 2203 TVD 2201.38  
INC 6.69 AZ 282.69  
N -28.21 E -12.33  
VS -28.24

WOB- 15.3  
RPM- 63  
PP- 1798  
SPM- 112  
GPM- 468

MD 2295 TVD 2292.7  
INC 7.31 AZ 284.51  
N -25.57 E -23.22  
VS -25.61



-10

KD

McCOY : WHITAKER-SCHWAB 1H-8X

90

TRAP TEST

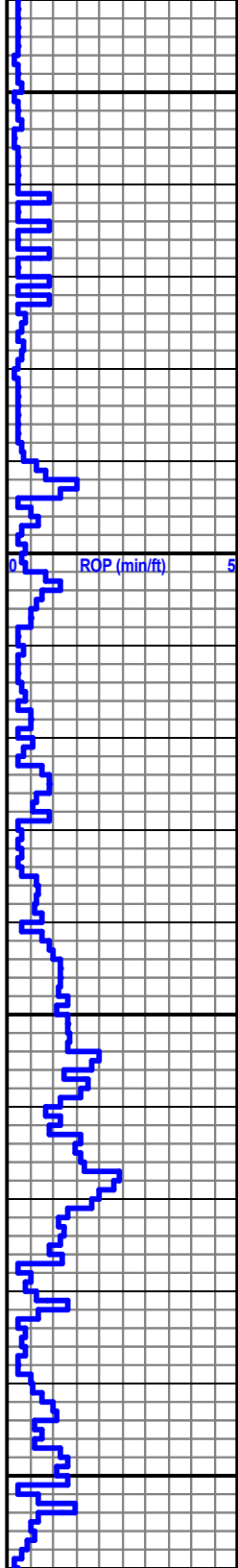
WOB-14.1  
RPM- 58  
PP- 1868  
SPM- 112  
GPM- 468

MD 2387 TVD 2383.92  
INC 7.6 AZ 282.56  
N -22.78 E -34.83  
VS -22.84

MD 2418 TVD 2414.64  
INC 7.73 AZ 283.37  
N -21.85 E -38.86  
VS -21.92

MD 2448 TVD 2444.37  
INC 7.8 AZ 288.77  
N -20.73 E -42.75  
VS -20.81

MD 2479 TVD 2475.1  
INC 7.2 AZ 290.61  
N -19.37 E -46.56  
VS -19.45



2350

2400

2450

2500

KD

-10

McCOY

WHITAKER-SCHWAB 1H-8X

90

KD

MD 2509 TVD 2504.88  
INC 6.83 AZ 292.13  
N -18.04 E -49.97  
VS -18.12

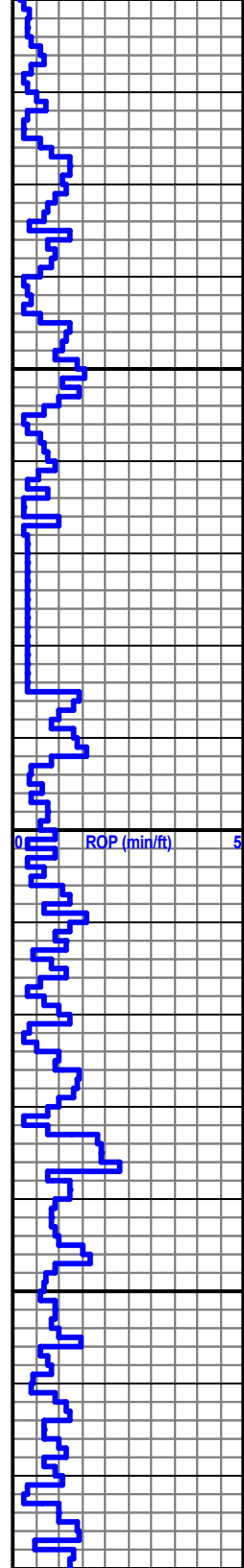
WOB- 15.2  
RPM- 64  
PP- 1896  
SPM- 107  
GPM- 446

MD 2540 TVD 2535.66  
INC 6.74 AZ 291.26  
N -16.68 E -53.37  
VS -16.78

MD 2571 TVD 2566.44  
INC 6.95 AZ 292.55  
N -15.3 E -56.8  
VS -15.41

09/21/2019  
MD 2632 TVD 2626.98  
INC 7.06 AZ 292.78  
N -12.44 E -63.66  
VS -12.55

MD 2663 TVD 2657.74  
INC 7.22 AZ 293  
N -10.94 E -67.21  
VS -11.06



2500

2600

2650

KD

-10

KD

McCoy : WHITAKER-SCHWAB 1H-8X

90

WOB- 16.0  
RPM- 60  
PP- 2097  
SPM- 113  
GPM- 473

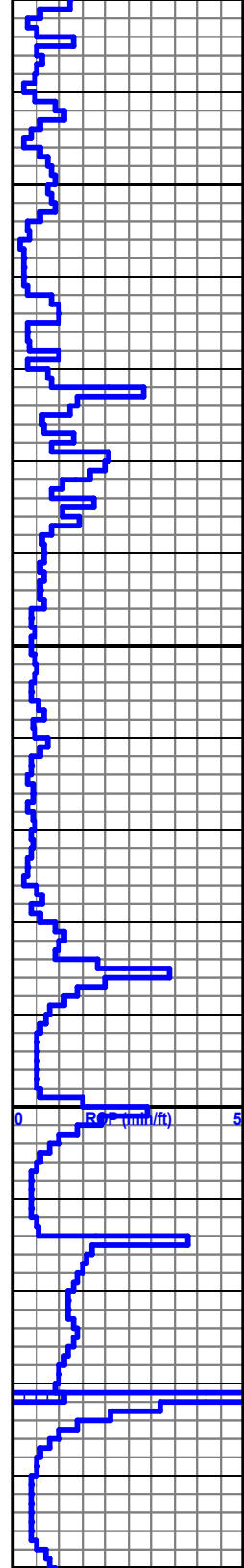
MD 2725 TVD 2719.25  
INC 7.25 AZ 292.27  
N -7.94 E -74.41  
VS -8.07

MD 2755 TVD 2749.01  
INC 7.32 AZ 291.34  
N -6.52 E -77.95  
VS -6.66

WOB- 12.6K  
RPM- 63  
PP- 1929  
SPM- 104  
GPM- 436

MD 2817 TVD 2810.54  
INC 6.83 AZ 291.4  
N -3.74 E -85.06  
VS -3.89

MD 2848 TVD 2841.34



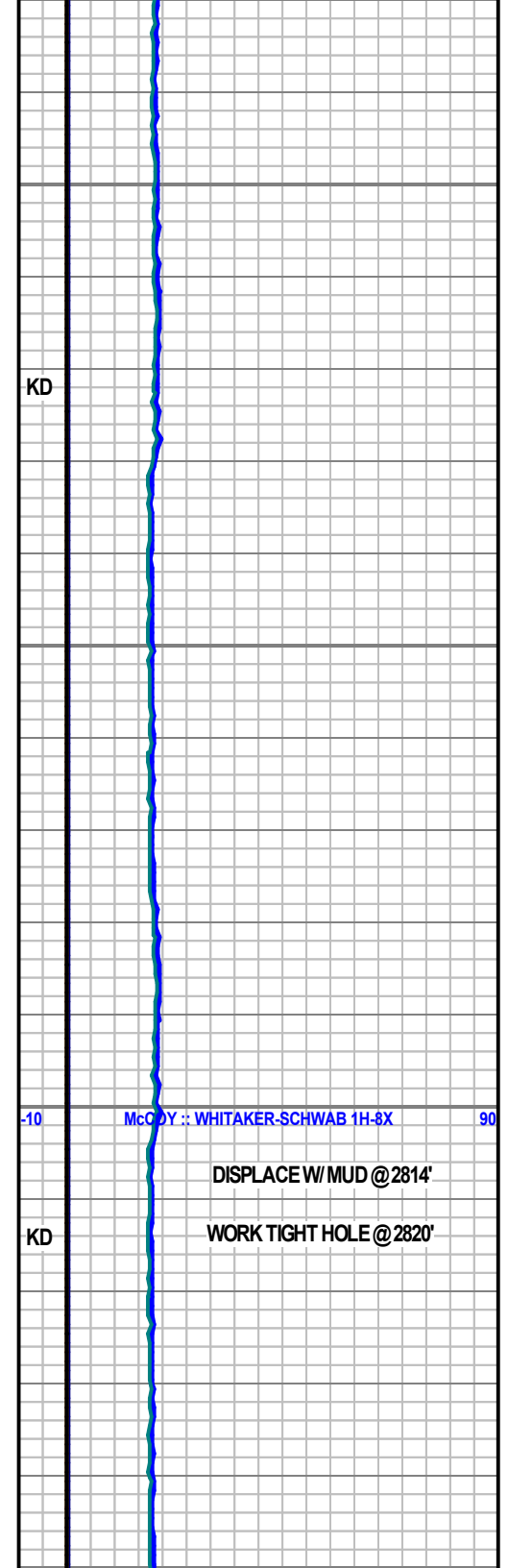
0 ROP (mm/ft) 5

2700

2750

2800

2850



KD

-10

McCOY : WHITAKER-SCHWAB 1H-8X

90

DISPLACE W/MUD @ 2814'

WORK TIGHT HOLE @ 2820'

KD

MD 2900 TVD 2901.04  
INC 6.05 AZ 290.6  
N -2.49 E -88.3  
VS -2.65

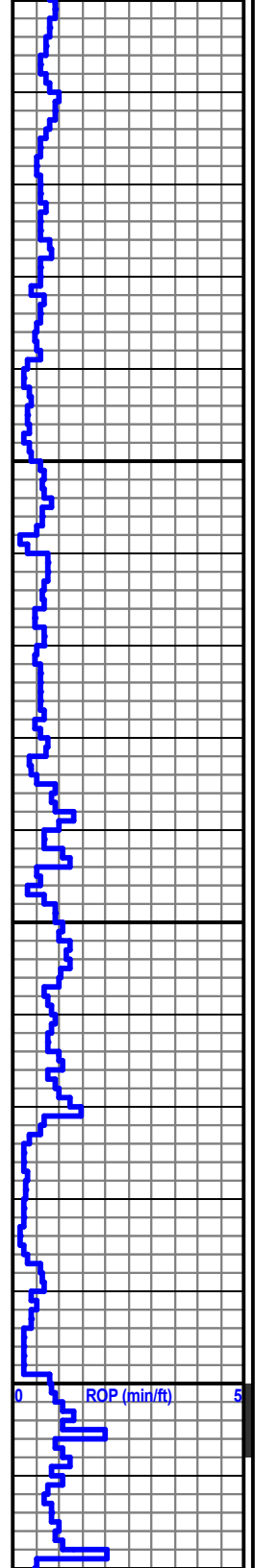
WOB- 15.7K  
RPM- 61  
PP- 2224  
SPM- 104  
GPM- 436

MD 2910 TVD 2903  
INC 5.99 AZ 289.35  
N -0.27 E -94.42  
VS -0.44

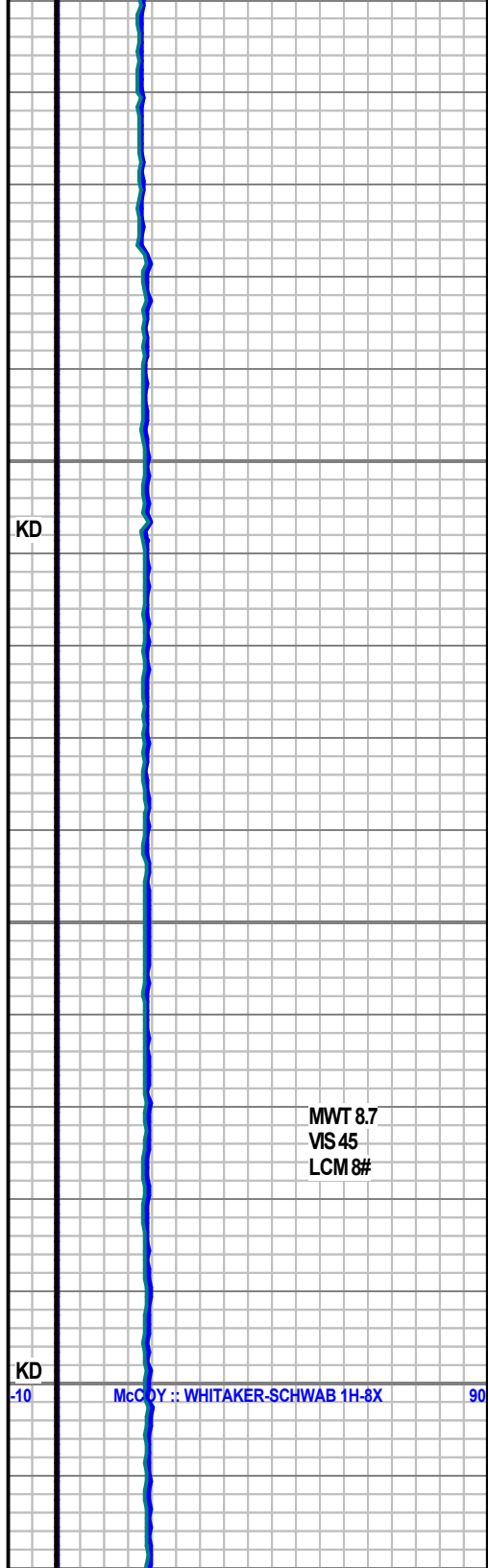
MD 2940 TVD 2932.83  
INC 6.1 AZ 289.37  
N 0.78 E -97.4  
VS 0.6

MD 3003 TVD 2995.5  
INC 5.66 AZ 292.18  
N 3.06 E -103.43  
VS 2.88

WOB- 15.9K  
RPM- 0



50  
2900  
2950  
3000



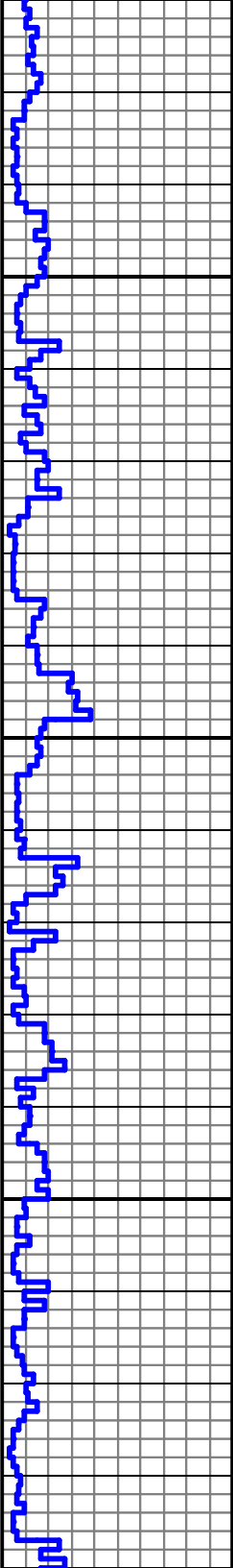
PP-2275  
SPM-105  
GPM-441

MD 3034 TVD 3026.37  
INC 4.92 AZ 292.46  
N 4.14 E -106.08  
VS 3.96

MD 3097 TVD 3089.18  
INC 4 AZ 286.27  
N 5.79 E -110.68  
VS 5.6

WOB-16.6K  
RPM-67  
PP-2371  
SPM-110  
GPM-460

MD 3128 TVD 3120.11  
INC 3.54 AZ 276.5  
N 6.2 E -112.67  
VS 6



3050

3100

3150

KD

MWT 8.5  
VS 50  
LCM 6#

KD

MD 3190 TVD 3182.01  
INC 3.01 AZ 271.67  
N 6.47 E -116.2  
VS 6.26

ROP (min/ft)

3200

MD 3222 TVD 3213.97  
INC 2.44 AZ 270.61  
N 6.5 E -117.72  
VS 6.29

3250

WOB- 16.9K  
RPM- 65  
PP- 2513  
SPM- 110  
GPM- 459

RIG SERVICE

MD 3285 TVD 3276.94  
INC 1.26 AZ 271.36  
N 6.53 E -119.77  
VS 6.32

3300

MD 3316 TVD 3307.93  
INC 0.1 AZ 217.52  
N 6.52 E -120.12  
VS 6.31

WOB- 15.1  
RPM- 86  
PP- 2258  
SPM- 108  
GPM- 453

MD 3347 TVD 3338.93  
INC 0.37 AZ 108.97  
N 6.47 E -120.04  
VS 6.25

3350

McCOY : WHITAKER-SCHWAB 1H-8X

MWT 8.8  
VIS 49  
LCM 8#

KD

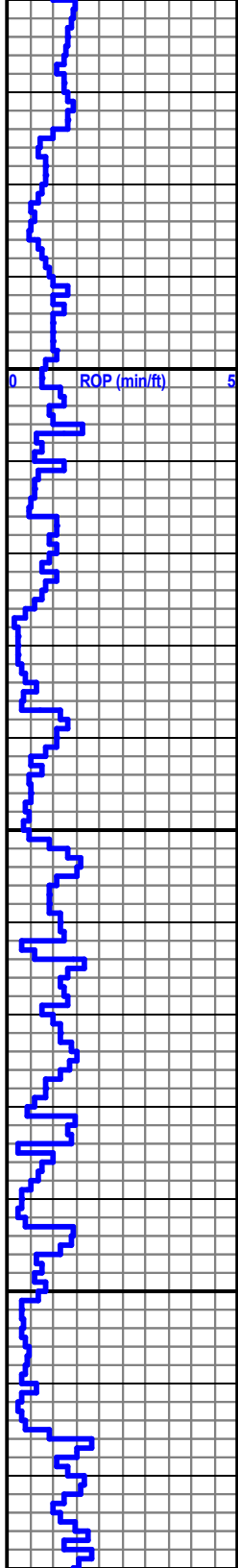
FM GAS 20 UNITS

MWT 8.8  
VIS 45  
LCM 8#

MD 3410 TVD 3401.93  
INC 0.3 AZ 111.07  
N 6.34 E -119.7  
VS 6.13

WOB- 15.4  
RPM- 82  
PP- 2246  
SPM- 105  
GPM- 441

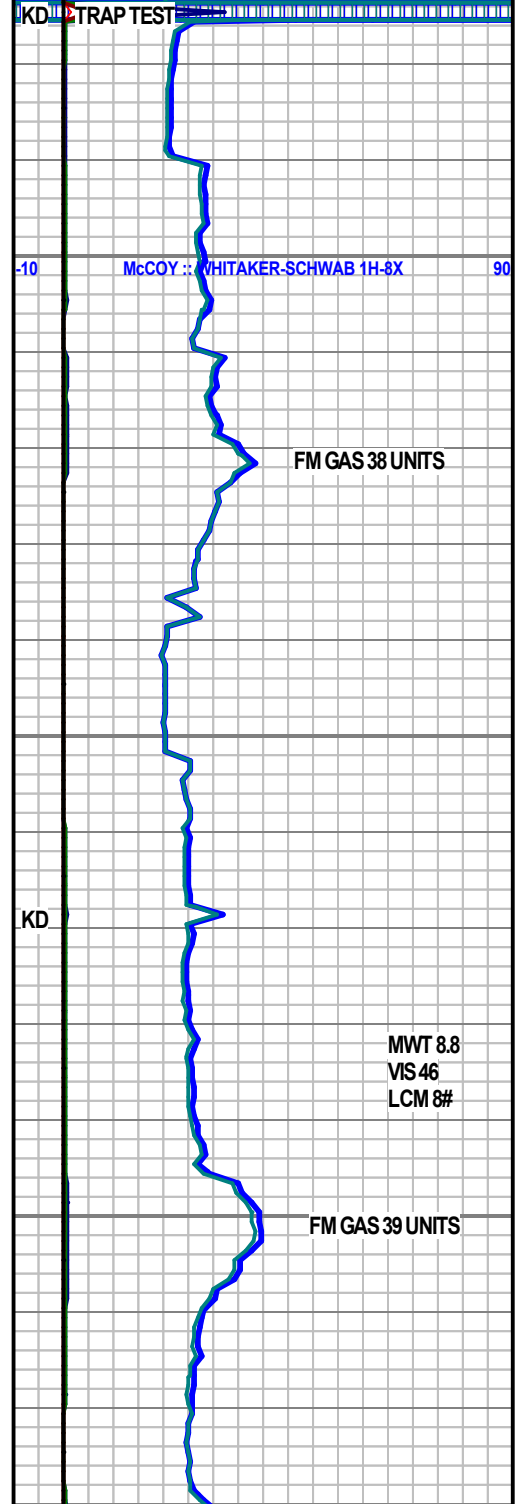
MD 3504 TVD 3495.93  
INC 0.26 AZ 129.22  
N 6.11 E -119.3  
VS 5.9



3400

3450

3500



-10

KD

MWT 8.8  
VIS 46  
LCM 8#

FM GAS 38 UNITS

FM GAS 39 UNITS

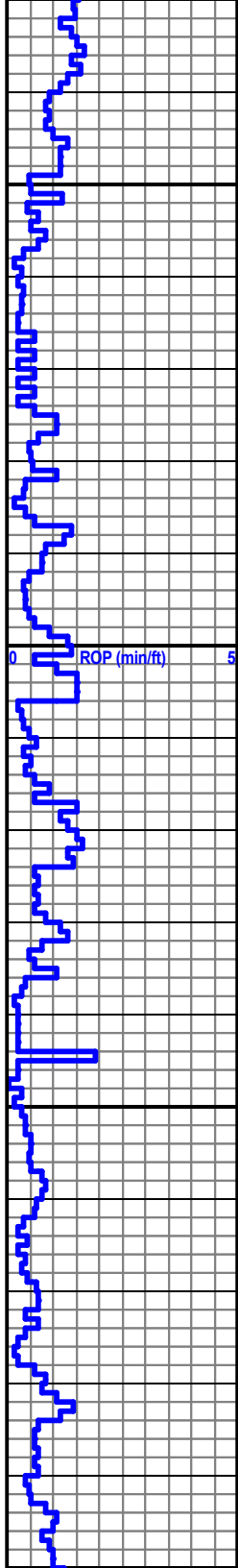


WOB- 14.9  
RPM- 85  
PP- 2229  
SPM- 106  
GPM- 443

MD 3598 TVD 3589.93  
INC 0.35 AZ 118.78  
N 5.84 E -118.88  
VS 5.63

WOB- 15.9  
RPM- 82  
PP- 2261  
SPM- 106  
GPM- 445

MD 3692 TVD 3683.93  
INC 0.43 AZ 151.52  
N 5.39 E -118.46



3550

3600

3650

37

KD

FM GAS 35 UNITS

MWT 8.9  
VS 45  
LCM 6#

-10

McCOY / WHITAKER-SCHWAB 1H-8X

90

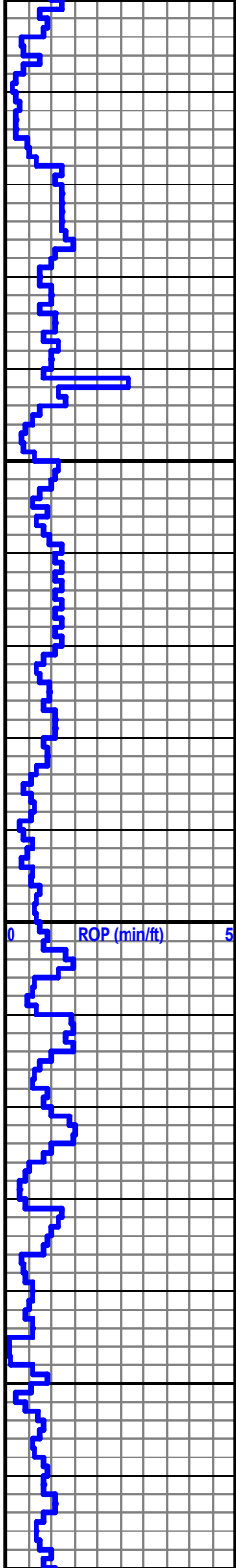
KD

FM GAS 41 UNITS

VS 5.18

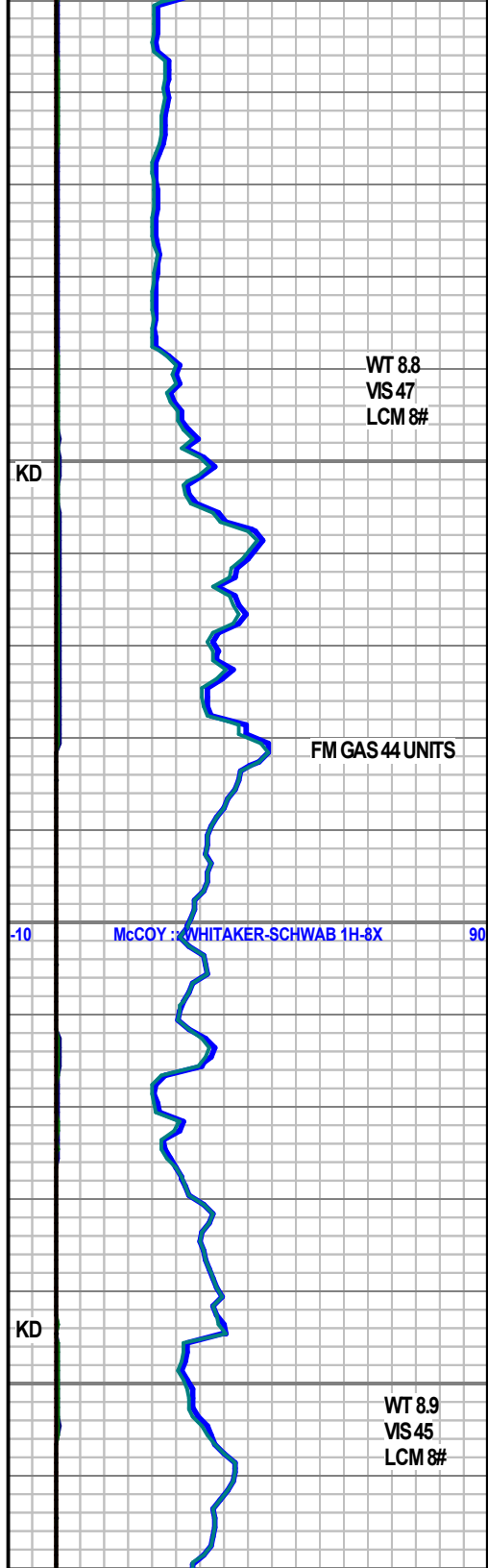
WOB- 16.3  
RPM- 78  
PP- 2156  
SPM- 104  
GPM- 435

MD 3785 TVD 3776.93  
INC 0.33 AZ 156.46  
N 4.84 E -118.19  
VS 1.93



00  
3750  
3800  
3850

0 ROP (min/ft) 5



KD

WT 8.8  
VIS 47  
LCM 8#

FM GAS 44 UNITS

-10 McCOY : WHITAKER-SCHWAB 1H-8X 90

KD

WT 8.9  
VIS 45  
LCM 8#

MD 3879 TVD 3870.92  
INC 0.47 AZ 180.32  
N 4.2 E -118.08  
VS 1.29

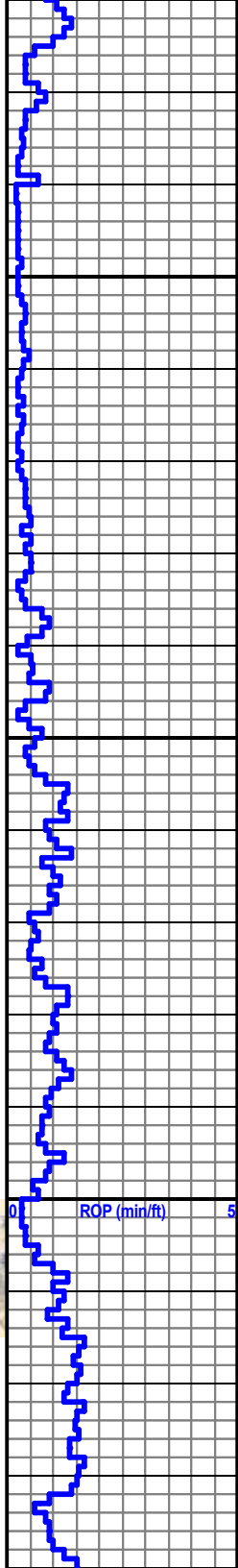
WOB-16.5  
RPM-91  
PP-2499  
SPM-105  
GPM-442

MD 3973 TVD 3964.92  
INC 0.47 AZ 168.06  
N 3.44 E -118  
VS 0.53

09/22/2019



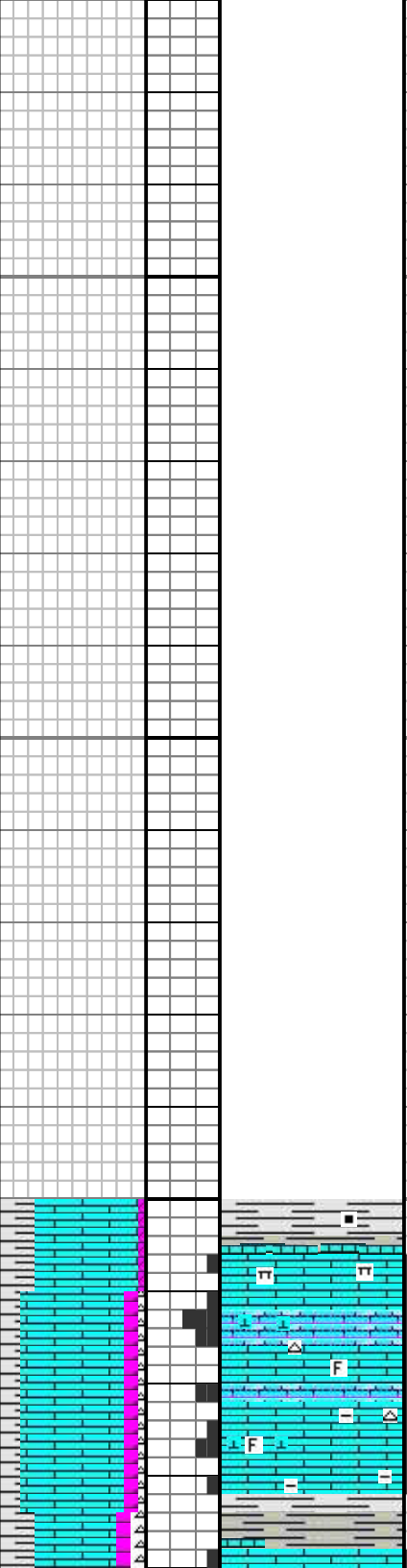
4010'



3900

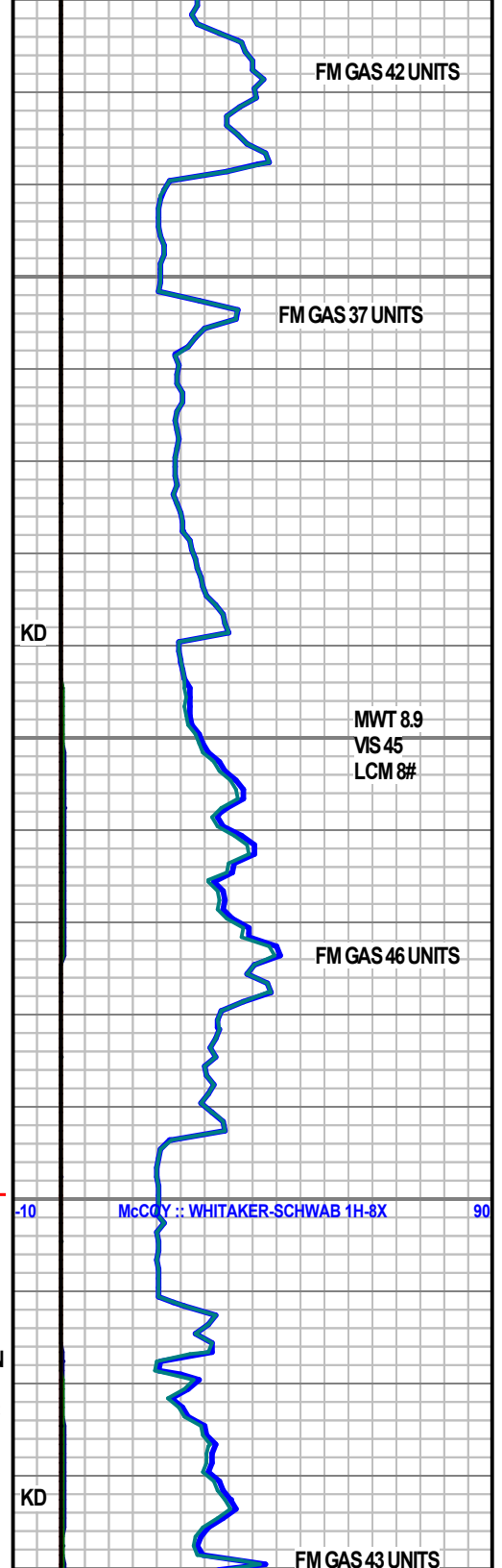
3950

4000



BEGIN LOGGING @ 4000' ON  
09/22/2019

LS: OFF WHT TO CRM, SCAT DK CRM TO LT TAN  
MOTT, OCC WHT, OCC GYSH/TAN, OCC OPQ TO  
TRNSP, MSTLY MOD FRM, TR TO OCC SFT, BRTL, V/FN  
XLN, TR MICRO XLN, OCC MICRITE, PLTY, BLKY, OCC  
CHNKY, SCAT ARG, OCC MRLY IP, TR DOLC CMT, OCC  
SIL IP, TR OPQ LRG ANHED DRSY GYP, OCC ANHED  
CALCITE FL, OCC TRNSP TO MLKY WHT SHRPANG  
CHRT, OCC FOSS FRAGS W/TR OCCLD, TR FRAC  
POR, OCC MOLD C POR, SCAT LAM SH: GY TO DK GY,  
OCC V/DK GY TO BLK, V/FN TO FN TXT, DULL LSTR,  
PLTY TR CHNKY NON CAL C SCAT SILTY IP OCC MIN



FM GAS 42 UNITS

FM GAS 37 UNITS

MWT 8.9  
VS 45  
LCM 8#

FM GAS 46 UNITS

FM GAS 43 UNITS

KD

-10

KD

McCOY :: WHITAKER-SCHWAB 1H-8X

90

WOB-15K  
RPM-82  
PP-2249  
SPM-106  
GPM-446

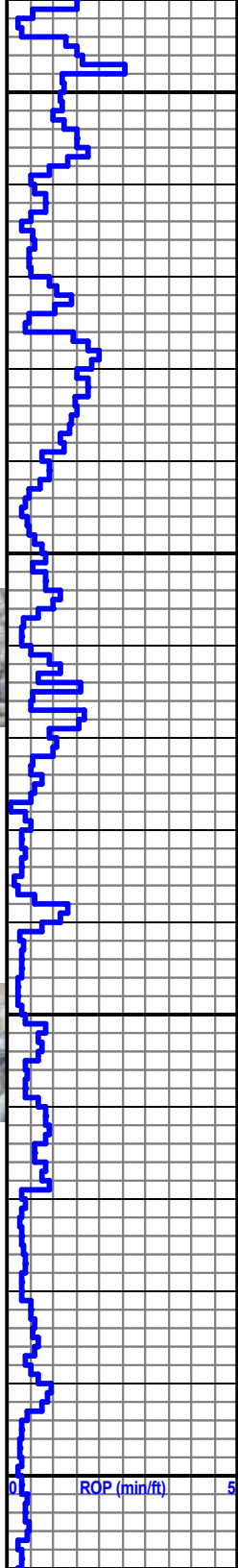
MD 4067 TVD 4058.92  
INC 0.34 AZ 153.58  
N 2.81 E -117.8  
VS -0.09

4118'

4154'

MD 4161 TVD 4152.92  
INC 0.52 AZ 150.89  
N 2.18 E -117.46  
VS -0.71

WOB-16.4K  
RPM-87  
PP-2514  
SPM-105  
GPM-441



4050  
4100  
4150  
4200

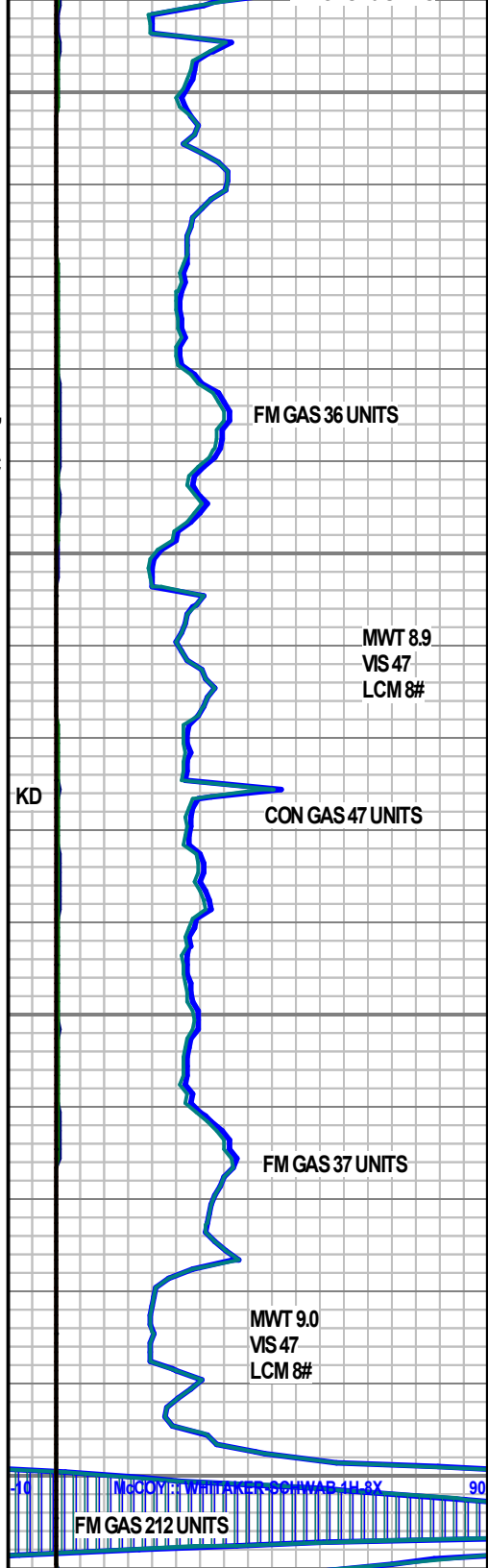


PLTY, TR CHNKY, NON CALC, SCAT GY FL, OCC MIN PYR INC., OCC MIN DULL YEL TO DULL DK YEL FLOR, NO VIS CUT

LS: OFF WHT TO VLT GY, TR WHT, SCAT LT TO VLT CRM, OCC TANSH MOTT, SM MOD FRM, SCAT FRM, MSTLY BRTL, MICRO XLN, TR VFN XLN, INCRSE MICRITE, PLTY, TR CHNKY, OCC FLKY, SM ARG, TR SIL IP, TR LAM MRLY, OCC INTRBD DOLO, TR DOLO CMT, SCAT OPQ TO TRNSL ANHED CALCITE FL, TR MLKY WHT TO DK CRM SHRPANG CHRT, OCC CRIN FRAGS, OCC BRACH FRAGS W/SM OCCLD W/CALCITE, OCC ASPHLTC STRKS ALONG POR, NO ODOR, SCAT FRAC POR, TR MOLDC POR, OCC XLN POR, SCAT DK YEL TO TR DULL YEL FLOR, NO VIS CUT

LS: CRM TO SCAT DK CRM, SCAT OFF WHT TO TR WHT, OCC GY TO DK GYMOTT, OCC OPQ TO TRNSL, MOD FRM, OCC FRM, BRTL, SCAT TO TR CRMBLY, VFN XLN, OCC MICRO XLN, PLTY TO CHNKY, SM DOLO CMT, SCAT INTRBD DOLO, OCC TO TR MRLY IP, OCC ARG, TRANHED CALCITE FL, OCC MIN EUHED IMBDD PYR, OCC OFF WHT TO SMKY SHRPANG CHRT, NO VIS STAIN, NO ODOR, SCAT XLN POR, TR MOLDC TO PP POR, TR LAM SH: DK GY TO BRNSH/GY, SCAT GY, MOD SFT, SM MOD FRM, BRTL, VFN TXT, OCC SLTY TXT, DULL LSTR, PLTY, OCC CH NKY, NON CALC, OCC V/DULL YEL FLOR, NO VIS CUT

LS: LT CRM TO SM VLT CRM, SCAT DK CRM TO LT TAN, OCC GY TO LT GY MOTT, OCC OFF WHT, MOD FRM, OCC FRM, FN TO VFN XLN, OCC MICRO XLN, PLTY, SM CHNKY, TR SLI SUC TXT, OCC WELL IND, SM DOLC CMT, SCAT TO SM INTRBD /LAM DOLO, TR ANHED DRSY CALCITE, TR LRG ANHED CALCITE FL, OCC MIN PYR INC., NO VIS STAIN, NO ODOR, SCAT XLN POR, TR PP TO VUG POR, OCC FRAC POR W/OCC DISS, TR LAM SH: BLK, DK TO V/DK GY, OCC GY, MOD SFT, OCC MSHY, DULL LSTR, PLTY/CHNKY, NON CALC, TR CARB, OCC PYR INC., TR V/DULL YEL FLOR, NO VIS CUT



McCOMBI WHITEAKER SCHWAB 4H 8Y  
FM GAS 212 UNITS

4266'

MD 4255 TVD 4246.91  
INC 0.55 AZ 162.78  
N 1.37 E -117.12  
VS -1.51

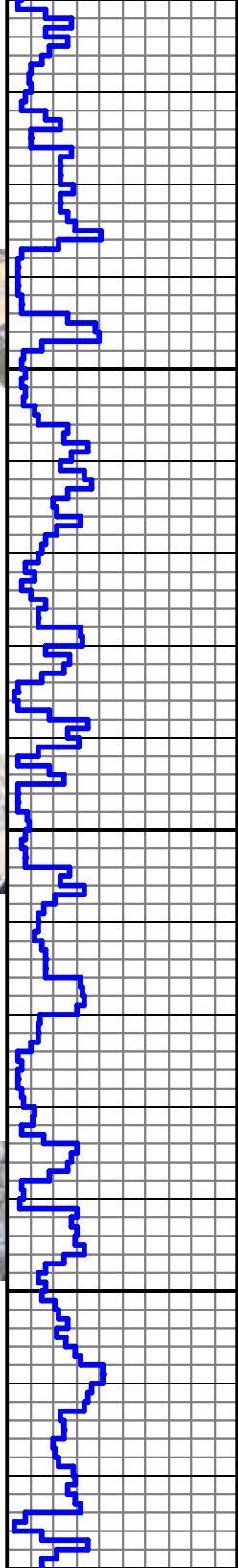
WOB-14.7K  
RPM-85  
PP-2138  
SPM-102  
GPM-428

4308'

4366'

MD 4349 TVD 4340.91  
INC 0.44 AZ 172.72  
N 0.58 E -116.94  
VS -2.3

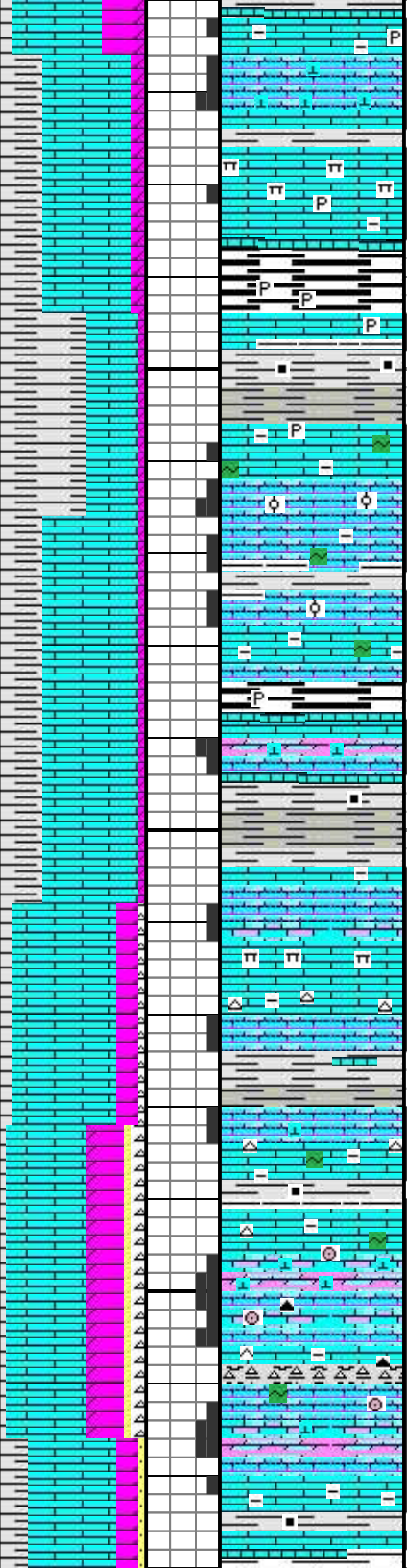
WOB-15.7K  
RPM-87  
PP-2295  
SPM-105  
GPM-441



4250

4300

4350



LS: GY TO LT GY, SM OFF WHT, TR CRM TO DK CRM, OCC WHT, FRM TO MOD FRM, BRTL, MICRO TO V/FN XLN, OCC MICRITE, TR ARG, SCAT MRLY IP, TR DOLC CMT, OCC ANHED/PLTY CALCITE FL, OCC MIN PYR INC., NO VIS STAIN, NO ODOR, SCAT FRAC POR W/TR OCCLD, OCC XLN POR, TR DULL TO V/DULL YEL FLOR, NO VIS CUT

**HEEBNER @**  
4237' MD      4228' TVD

(-1393')

**TORONTO @**  
4256' MD      4247' TVD

(-1412')

LS: LT GY TO OFF WHT MOTT, SCAT V/LT TO FAINT CRM, SCAT LT TO V/LT GY STRKS /STRI, MOD SFT, TR MOD FRM, SM BRTL, MICRO XLN, OCC V/FN XLN, PLTY, TR CHNKY, TR BLKY, SM ARG, SCAT DOLC CMT, TR GLAUC, OCC MIN PYR INC., OCC OOLTC, NO VIS STIAN, NO ODOR, SCAT HAIRLINE FRAC, OCC XLN POR, OCC MOLDC POR, SM LAM SH: DK GY TO GY, SCAT BLK, TR V/DK GY, MOD SFT, PLTY, OCC BLKY, NON CALC, TR CARB, SCAT SLTY IP, TR PYRC, OCC DULL YEL FLOR, NO VIS CUT

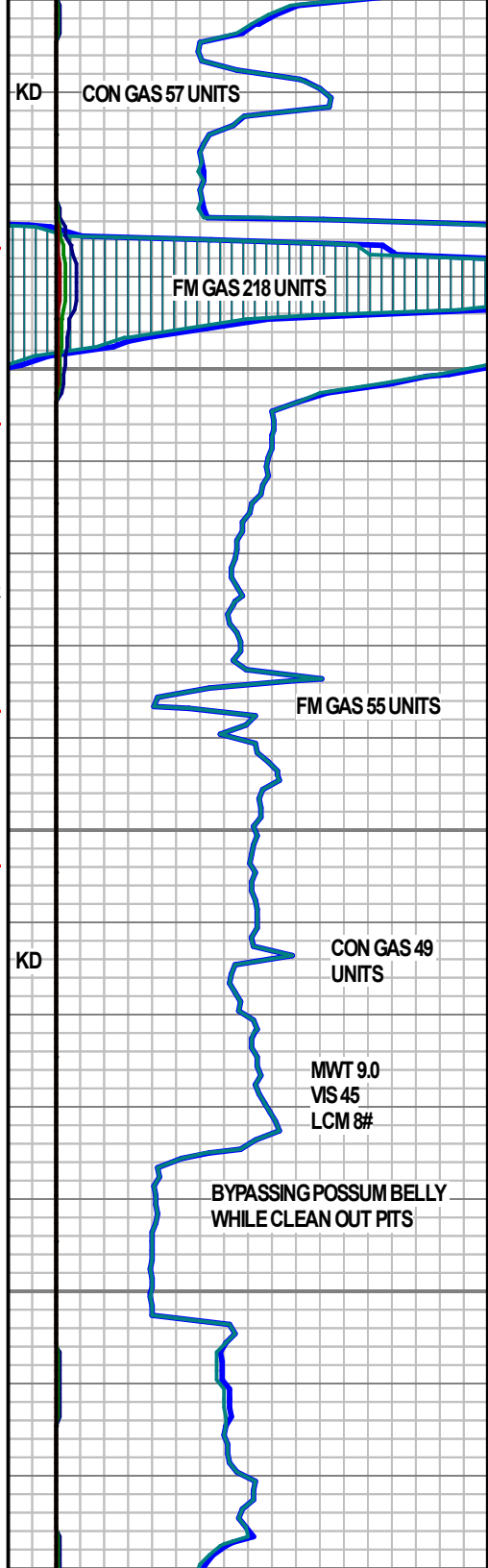
**DOUGLAS @**  
4287' MD      4278' TVD

(-1443')

**LANSING @**  
4316' MD      4307' TVD

(-1472')

LS: CRM TO LT CRM, SCAT DK CRM, TR OFF WHT, TR LT TAN MOTT, OCC WHT, OCC OPQ TO TRNSL, MOD FRM, TR FRM, MSTLY BRTL, TR CRMBLY, V/FN XLN, SM FN XLN, TR MICRO XLN, TR TO SCAT SLI SUC TXT, SM PLTY, SM CHNKY, OCC BLKY, TR TO OCC ARG, SM DOLC CMT, OCC SIL, TR WELL IND, TR INTRBD DOLO, TR LRG CHNKY /ANHED CALCITE FL, TR DK CRM TO TAN SHRP ANG CHRT, OCC OPQ TO WHT SPIC CHRT, OCC WHT RNDD WEATHERED CHRT, OCC GLAUC, TR CRIN FRAGS, NO VIS STAIN, NO ODOR, SCAT XLN POR, TR MOLDC POR, TR FRAC POR W/OCC DISS, TR LAM SH: GY TO DK GY, TR LT GY, OCC BLK, MOD SFT, OCC MOD FRM, OCC MSHY, V/FN TO OCC SMTH TXT, DULL LSTR, PLTY, TR BLKY, NON CALC, OCC SLTY IP, OCC CARB, SCAT DULL TO TR V/DULL YEL FLOR, NO VIS CUT



KD

KD

CON GAS 57 UNITS

FM GAS 218 UNITS

FM GAS 55 UNITS

CON GAS 49 UNITS

MWT 9.0  
VIS 45  
LCM 8#

BYPASSING POSSUM BELLY  
WHILE CLEAN OUT PITS

4414'

4442'

4470'

4470'

MD 4538 TVD 4529.9  
INC 0.25 AZ 171.28  
N -0.64 E -116.82  
VS -3.52

MD 4444 TVD 4435.91  
INC 0.4 AZ 176.28  
N -0.11 E -116.87  
VS -2.99

WOB- 15.9K  
RPM- 91  
PP- 2665  
SPM- 107  
GPM- 449

ROP (mir/ft)

4400

4450

4500

45

LS: CRM TO DK CRM, SCAT TAN, TR LT CRM, OCC BUFF, MOD FRM, SM FRM, BRTL, MICRO XLN, OCC FN XLN, PLTY, OCC FLKY, TR TO SCAT DOLC CMT, OCC SIL, OCC ARG, SCAT ANHED CALCITE FL, TR LRG EUHED DRSY CALCITE, OCC PYR EUHED, TR GY /OPQ TO TAN SHRP ANG CHRT W/TR SPIC, TR CRIN FRAGS, OCC FOSS DEBRIS, OCC SPOT STAIN, NO ODOR, SCAT PP TO VUG POR, SCAT FRAC, SM LAM SH: GY TO DK GY, TR LT GY, OCC BLK, MOD SFT, OCC MOD FRM, OCC MSHY, V/FN TO OCC SMTH TXT, DULL LSTR, PLTY, TR BLKY, NON CALC, OCC SLTY IP, OCC TO SCAT DULL YEL TO OCC DULL PALE YEL FLOR, NO VIS CUT

LS: CRM TO OFF WHT, SCAT TAN, TR DK TAN, OCC WHT, MOD FRM, SM FRM, BRTL, MICRO XLN, OCC FN XLN, PLTY, BLKY, SCAT DOLC CMT, OCC SIL, TR ARG, SCAT ANHED CALCITE FL, TR DRSY CALCITE GRWTH IP, OCC PYR, TR LT GY /OPQ SHRPANG CHRT W/TR SPIC, TR CRIN FRAGS, OCC FOSS, OCC SPOT STAIN, NO ODOR, SCAT VUG POR, SCAT FRAC, SM LAM SH: GY TO DK GY, TR LT GY, OCC BLK, MOD SFT, OCC MOD FRM, OCC MSHY, V/FN TXT, DULL LSTR, PLTY, TR BLKY, NON CALC, OCC SLTY IP, SM DULL YEL TO 20% PALE YEL FLOR, TR PL YEL CUT TO NO VIS CUT W/ 10% HCL, V/THIN WHT RES RING

LS: CRM TO OFF WHT, SCAT TAN, TR DK TAN, OCC WHT, MOD FRM, SM FRM, BRTL, MICRO XLN, OCC FN XLN, PLTY, BLKY, SCAT DOLC CMT, OCC SIL, TR ARG, SCAT ANHED CALCITE FL, TR DRSY CALCITE GRWTH IP, OCC PYR, TR LT GY /OPQ SHRPANG CHRT W/TR SPIC, TR CRIN FRAGS, OCC FOSS, OCC SPOT STAIN, NO ODOR, SCAT VUG POR, SCAT FRAC, SM LAM SH: GY TO DK GY, TR LT GY, OCC BLK, MOD SFT, OCC MOD FRM, OCC MSHY, V/FN TXT, DULL LSTR, PLTY, TR BLKY, NON CALC, OCC SLTY IP, SM DULL YEL TO 20% PALE YEL FLOR, TR PL YEL CUT TO NO VIS CUT W/ 10% HCL, V/THIN WHT RES RING

-10  
KD

KD

McCOY : WHITAKER-SCHWAB 1H-8X

CON GAS  
52 UNITS

MWT 9.0  
VIS 45  
LCM 8#

BYPASSING POSSUM  
BELLY WHILE CLEAN  
OUT PITS

CON GAS 22 UNITS

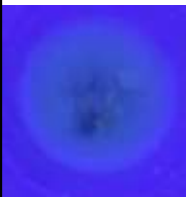
BYPASSING POSSUM  
BELLY WHILE CLEAN  
OUT PITS

WOB-15.8K  
RPM-83  
PP-2499  
SPM-110  
GPM-461



4604'

4630'



MD 4633 TVD 4624.9  
INC 0.39 AZ 158.03  
N -1.15 E -116.66  
VS 4.02

4666'

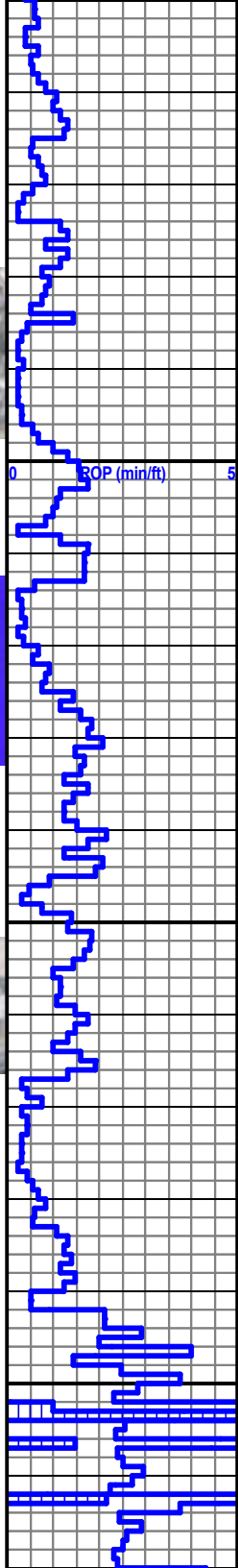


WOB-16.4K  
RPM-87  
PP-2492  
SPM-110  
GPM-461

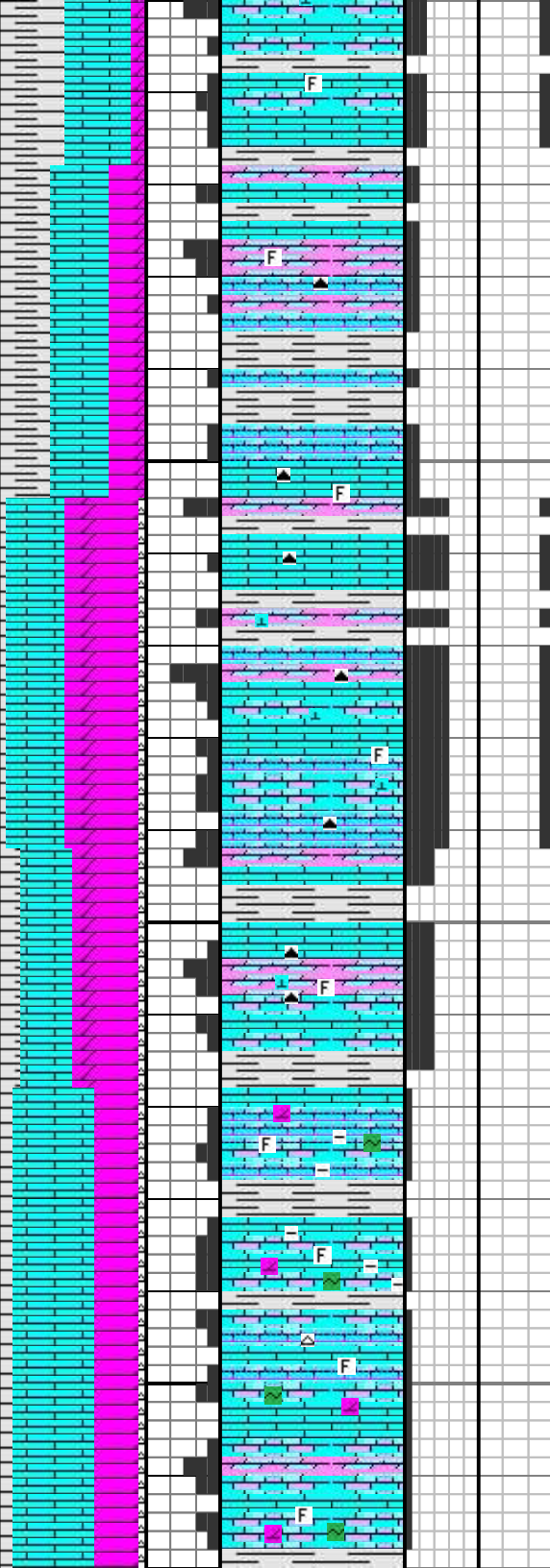
09/23/2019  
KOP @ 4692'

MD 4696 TVD 4687.9  
INC 0.97 AZ 30.49  
N -0.89 E -116.31  
VS 3.75

WOB-18.9K  
RPM-0  
PP-2246  
SPM-102  
GPM-426



50  
4600  
4650  
4700

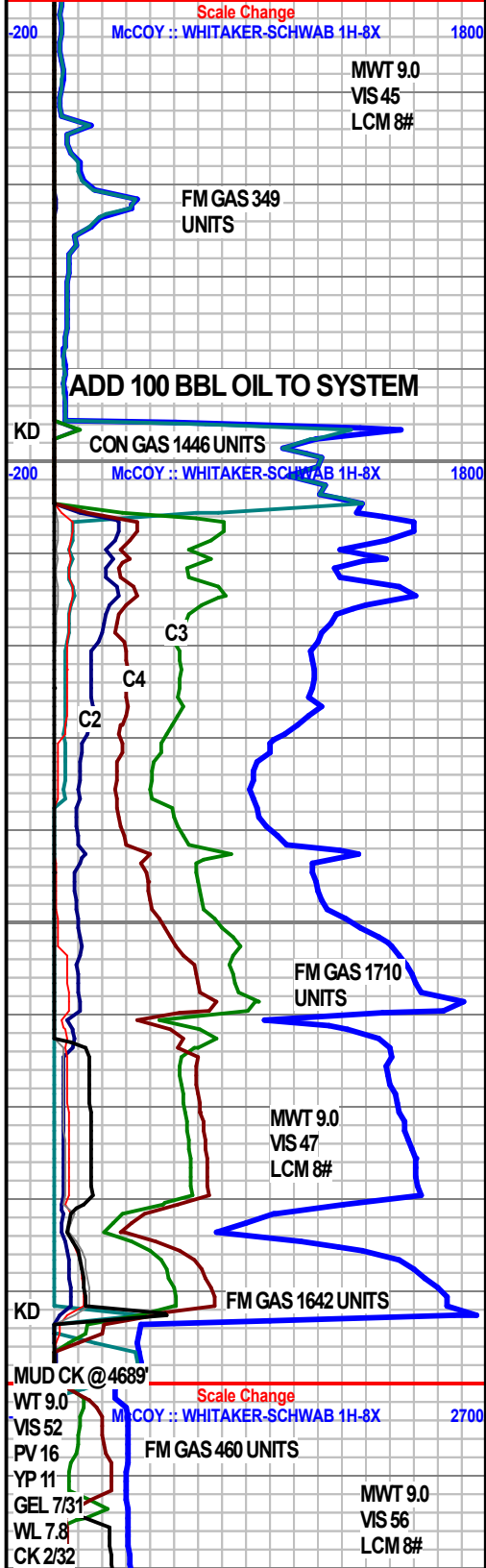


LS: LT GY TO OFF WHT, SCAT LT TAN, TR DK TAN, OCC WHT, MOD FRM, SM FRM, BRTL, MICRO XLN, TR FN XLN, PLTY, BLKY, SM BRKN, SCAT DOLC CMT, TR ARG IP, OCC PYR, TR LT GY/OPQ SHRPANG CHRT, TR CRIN FRAGS, OCC FOSS FRAGS IP, OCC BRN STAIN IP, NO ODOR, SCAT VUG POR, SCAT FRAC'S, SH: GY TO DK GY, TR LT GY, OCC BLK, TR RD SH BRN, MOD SFT, OCC MOD FRM, OCC FRM, VFN TXT, DULL LSTR, PLTY, TR BLKY, NON CALC, OCC SLTY IP, SM DULL YEL FLOR, NO VIS CUT W/ 10% HCL, NO RES RING

LS: WHT TO OFF WHT, SCAT LT TAN, TR TAN, OCC CRM MOTT, MOD FRM, SM FRM, BRTL, MICRO XLN, SCAT FN XLN, PLTY, BLKY, SM BRKN, SCAT DOLC CMT, SM IMBDD DOLO IP, TR ARG, SCAT CALCITE FL, TR CLR CALCITE IP, OCC PYR, TR LT GY/OPQ SHRP ANG CHRT, TR FOSS FRAGS, OCC DK SPOT STAIN, NO ODOR, SCAT VUG POR, SCAT HL FRAC'S, SM THIN LAM SH: BLK, MOD SFT, OCC MOD FRM, FN TXT, DULL LSTR, PLTY, TR BLKY, NON CALC, OCC SLTY IP, SM DULL YEL FLOR, TR PL YEL CUT TO NO VIS CUT W/ 10% HCL, NO VIS RES RING

TOH FOR BUILD BHA: BIT#4 :: 8.75" :: SECURITY:: GTD64DC :: 13075164 :: 6X16'S :: 2.12° MTR :: @4692' MD 4683' TVD

LS: CRM, LT TAN, TR TAN, SM TAN MOTT, OCC OFF WHT, MOD FRM TO FRM, SM MOD SFT, OCC V/FRM, VFN TO SM FN XLN, OCC MIC XLN, CHNKY, BLKY, SM DOLO CMT IP, SM ARG, OCC GLAUC, OCC PYR INC, TR LT GY TRNSL HRD ANG CHRT, SCT IMBD GY DOLOSTN, OCC IMBD BRN DOLO PCS, OCC FOSS FRAG, NO STAINING, NO ODOR, SM XLN POR, SM HL FRAG POR, OCC MIC POR, OCC PL YEL FLOR, NO



Scale Change  
McCOY :: WHITAKER-SHWAB 1H-8X 1800

MWT 9.0  
VIS 45  
LCM 8#  
FM GAS 349 UNITS

ADD 100 BBL OIL TO SYSTEM

KD  
CON GAS 1446 UNITS  
Scale Change  
McCOY :: WHITAKER-SHWAB 1H-8X 1800

C2  
C3  
C4

FM GAS 1710 UNITS

MWT 9.0  
VIS 47  
LCM 8#

FM GAS 1642 UNITS

KD  
MUD CK @ 4689'

Scale Change  
McCOY :: WHITAKER-SHWAB 1H-8X 2700

WT 9.0  
VIS 52  
PV 16  
YP 11  
GEL 7/31  
WL 7.8  
CK 2/32  
FM GAS 460 UNITS

MWT 9.0  
VIS 56  
LCM 8#

MD 4728 TVD 4719.87  
INC 3.99 AZ 11.08  
N 0.44 E -115.96  
VS 2.42



MD 4758 TVD 4749.7  
INC 7.97 AZ 13.51  
N 3.48 E -115.27  
VS 0.65



MD 4789 TVD 4780.21  
INC 12.32 AZ 10.16  
N 8.83 E -114.19  
VS 6.02

ROB (mir/ft)

MD 4820 TVD 4810.24  
INC 16.32 AZ 8.97  
N 16.39 E -112.93  
VS 13.61

WOB- 15.5  
RPM- 0  
PP- 3178  
SPM- 63 / 70  
GPM- 557

MD 4852 TVD 4840.69  
INC 19.42 AZ 7.07  
N 26.12 E -111.57  
VS 23.36



MD 4884 TVD 4870.61  
INC 22.1 AZ 6.56  
N 27.29 E -110.22

4750

4800

4850

MD **STARK SHALE @ 4746'**  
4737' TVD  
(-1902')

**SWOPE @ 4756' MD & 4747' TVD**  
(-1912')

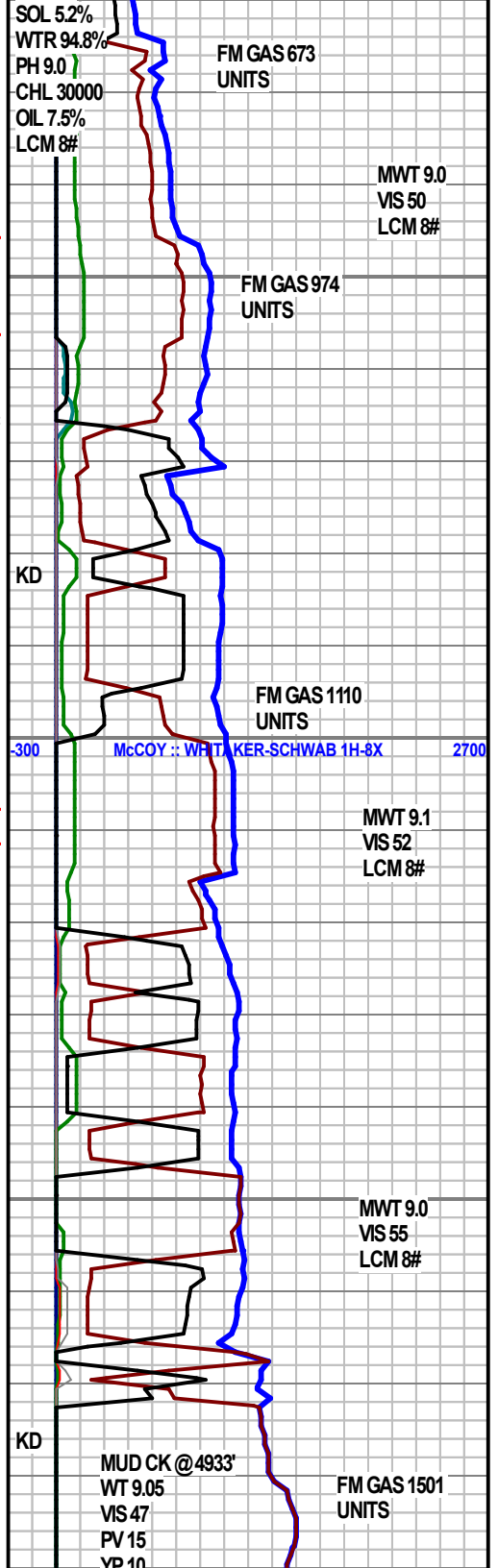
MD **HUSHPUCKNEY SH @ 4808'**  
4799' TVD  
(-1964')

**HERTHA @ 4812' MD**  
4802' TVD  
(-1967')

**NO SAMPLE CAUGHT**

LS: LT TAN TO CRM, SM DK TAN, OCC LT BRN, TR OFF WHT, MOD FRM TO FRM, SM HRD, OCC SFT, V/FN XLN, SM FN XLN, OCC MICRO XLN, CHNKY, BLKY, SM DOLO CMT, SM ARG CMT IP, SM DOLO PCS THRU OUT, OCC PYR, OCC HRD SHRP CHRT, OCC OOLTIC INCS, NO VIS STAIN, NO ODOR, SM HL FRAC POR, SM VUG POR, TR MLDC POR, OCC XLN POR, OCC YELL FLOR, NO VIS CUT, NO RES RING, SH: GY, LT GY, OCC DK GY, TR RD SH BRN SH THRU OUT, MOD FRM TO FRM, SM MOD SFT, FN TXT, TR SLTY TXT, OCC SLTSTN, DULL LSTR, CHNKY, OCC BLKY, NON CALC

MD **MARMATON @ 4896'**  
4892' TVD



SOL 5.2%  
WTR 94.8%  
PH 9.0  
CHL 30000  
OIL 7.5%  
LCM 8#

FM GAS 673 UNITS

MWT 9.0  
VS 50  
LCM 8#

FM GAS 974 UNITS

FM GAS 1110 UNITS

MCOY :: WHITE KER-SCHWAB 1H-8X

MWT 9.1  
VS 52  
LCM 8#

FM GAS 1501 UNITS

MUD CK @ 4933'  
WT 9.05  
VIS 47  
PV 15  
VP 10



N 37.38 E -110.23  
VS 34.65

4924'

MD 4916 TVD 4899.89  
INC 25.46 AZ 8.36  
N 50.17 E -108.54  
09/24/2019

4945'

MD 4947 TVD 4927.61  
INC 27.72 AZ 8.5  
N 63.89 E -106.5  
VS 61.25

4975'

MD 4978 TVD 4954.75  
INC 30.03 AZ 6  
N 78.74 E -104.63  
VS 76.14

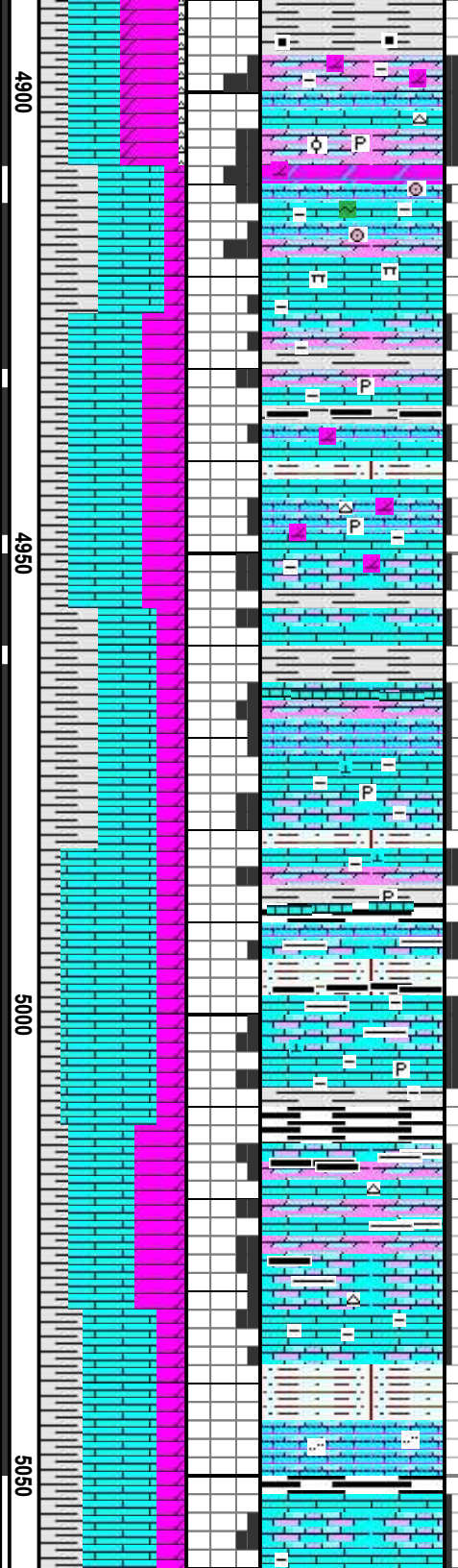
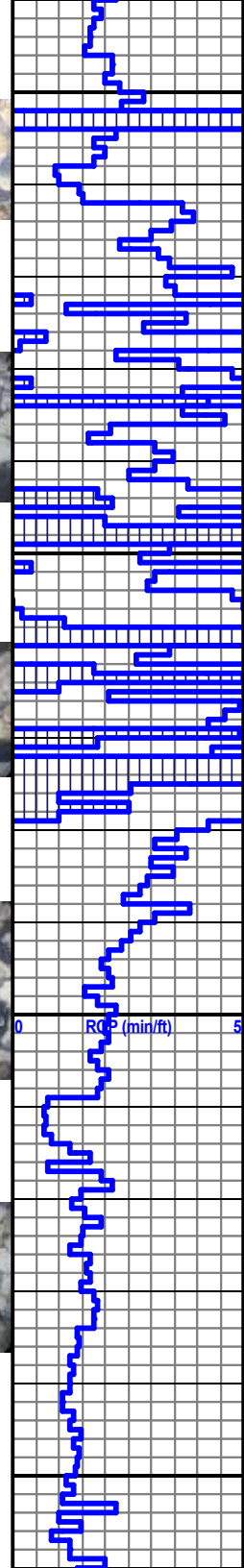
5005'

MD 5009 TVD 4981.07  
INC 33.75 AZ 7.34  
N 95 E -102.72  
VS 92.45

5020'

MD 5041 TVD 5006.9  
INC 38.55 AZ 6.74  
N 113.73 E -100.41  
VS 111.23

WOB- 25.5K  
RPM- 0  
PP- 3405  
CPM- 69/7



4862 TVD (-2047)

TOH FOR NEW BIT #5: 8.75" ::  
HALIBURTON :: GTD64DC :: 13075162  
:: 6X16'S :: 2.38" MTR: SER# 12204416::  
IN @ 4921' MD

MARMATON "B" @ 4936'  
MD (-2081)' TVD

LS: CRM, SM OFF WHT, OCC LT BRN, TR WHT, MOD FRM TO FRM, SM SFT, V/FN XLN, SM FN XLN, OCC MICRO XLN, CHNKY, BLKY, BRKN, SM DOLO CMT, SM ARG CMT, SM ARG, SM IMBDD DOLO PCS THRU OUT, OCC PYR, OCC HRD SHRP CHRT, NO VIS STAIN, NO ODOR, SM HL FRAC POR, TR VUG POR, TR XLN POR, SM DULL YELL FLOR, NO VIS CUT, NO RES RING, SH: GY, LT GY, OCC DK GY, TR RDSH BRN SH THRU OUT, MOD FRM TO FRM, SM MOD SFT, FN TXT, TR SLTY TXT, SM CALC SLTSTN, DULL LSTR, CHNKY, TR FLKY, NON CALC

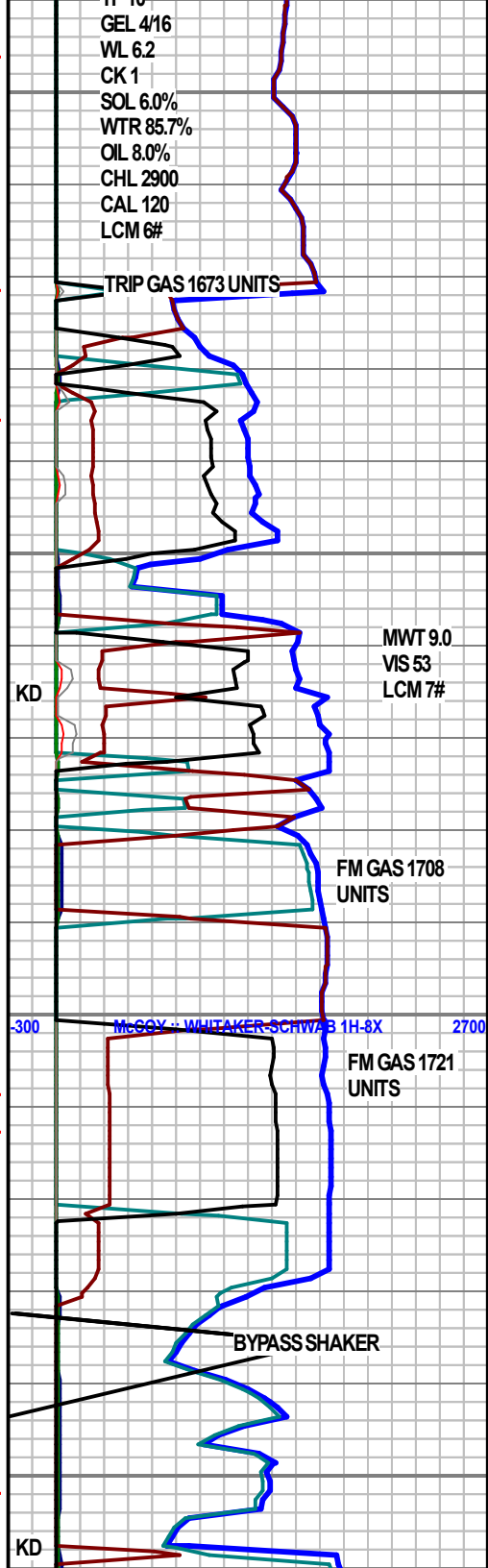
LS: OFF WHT, SM LT TAN, SM CRM, OCC LT BRN, MOD SFT, MOD FRM, TR FRM, MSHY, V/FN XLN, OCC MICRO XLN, CHNKY, BLKY, FLKY, ARG IP, SM DOLO CMT, ARG CMT, OCC IMBD CRYPTO CHRT, OCC PYR INC, NO VIS STAIN, NO ODOR, SM HL FRAC POR, SM VUG POR, TR XLN POR, SM DULL YELL FLOR, NO VIS CUT, NO RES RING, SH: GY TO DK GY, OCC V/DK GY, BLK, MOD FRM TO FRM, SM MOD SFT, OCC SFT, FN TXT, SCT SLTY TXT, CARB IP, SCAT SLTSTN, DULL LSTR, SCT ERTHY LSTR, CHNKY, OCC BLKY, OCC SLI CALC, OCC PYR INC, OCC CALCITE FL, NO ODOR, OCC PR FRAC POR

BANDERASH @ 5008'  
MD (-2145)' TVD

PAWNEE @ 5014' MD  
498 (-2151)' TVD

LS: CRM, LT TAN, SM OFF WHT, OCC LT BRN, MOD FRM, SM MOD SFT, OCC BRTL, TR HD, V/FN TO FN XLN, TR MICRO XLN, BLKY, CHNKY, TR PLTY, SM DOLO CMT, SCAT ARG CMT, OCC HRD SHRP CHRT, SM LMY SLTSTN IP, OCC DK BRN SPOT STAIN, NO ODOR, SM HL FRAC POR, SM VUG POR, TR XLN POR, SH: DRK GY, BLK, OCC LT GY, MOD FRM TO FRM, SM SFT, V/FN TXT, SM SLTY TXT, DULL TO ERTHY LSTR, BLKY, SM PLTY, OCC PYR INC, SM CARB, SM DULL YELL FLOR, NO VIS CUT, NO RES RING

FT SCOTT @ 5052'  
MD 5015' TVD



MD 5072 TVD 5031.07  
INC 38.97 AZ 5.14  
N 133.03 E -98.4  
VS 130.57



5085

MD 5104 TVD 5056.08  
INC 38.24 AZ 4.37  
N 152.93 E -96.75  
VS 150.5



5126

09/25/2019



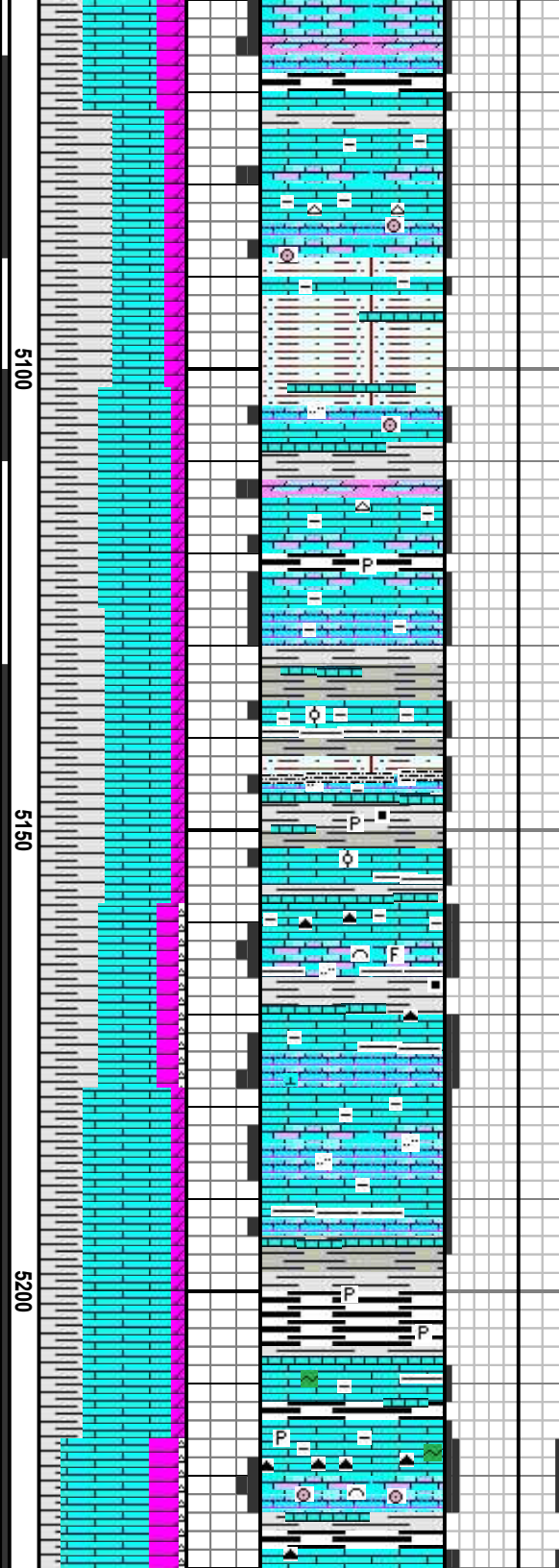
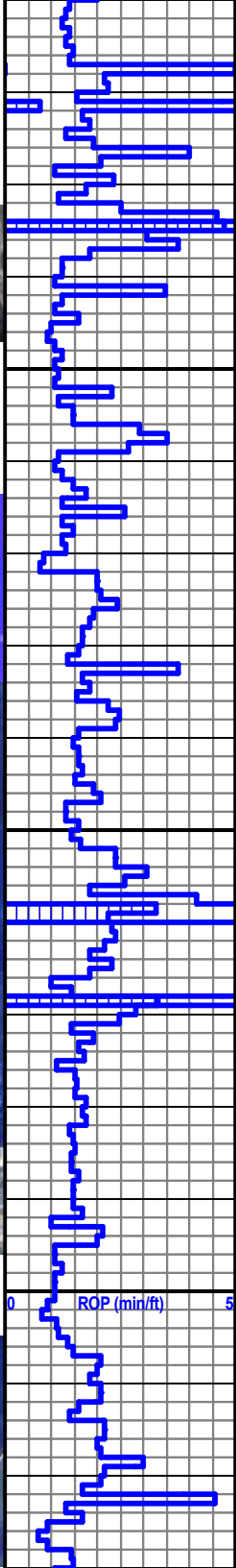
5178



MD 5198 TVD 5127.68  
INC 44.79 AZ 4.93  
N 213.54 E -92.04



5216



5100

5150

5200

(-2192')

CHEROKEE SHALE @  
5068' MD 5027' TVD

LS: CRM, LT TAN, SM OFF WHT, SCAT BRN MOTT,  
MOD FRM, SM MOD SFT, SM BRTL, V/FN TO SM FN  
XLN, BLKY, CHNKY, TR PLTY, SM DOLO CMT, SCAT  
ARG CMT, OCC HRD SHRP CHRT, TR BRKN CRIN,  
INCRSNG LMY SLTSTN IP, NO STAIN, NO ODOR, SM HL  
FRAC POR, TR VUG POR, TR XLN POR, SH: DRK GY,  
BLK, SM LT GY, MOD FRM TO FRM, SM SFT, V/FN TXT,  
SM SLTY TXT, DULL TO ERTHY LSTR, BLKY, SM PLTY,  
OCC PYR INC, SM CARB, SM DULL YELL FLOR, NONE  
TO SLO WK YEL CUT AFTER CRSH, THN WK SPTTY  
PALE YEL RES RING

(-2234')

SECOND CHEROKEE @  
5120' MD 5069' TVD

SH: GY TODK GY, SCAT V/DK GY TO BLK, TR TO OCC  
LT TO V/LT GYMOTT, MSTLY MOD FRM, OCC FRM,  
BRTL, V/FN TXT, OCC SMTH TXT, DULL LSTR, PLTY,  
TR BLKY, OCC TO TR SLTY IP, TR CALC, TR CARB,  
OCC MIN PYR INC., SM LAM/INTRBD LS: LT TO VLT  
CRM, SCAT CRM, SCAT LT GY MOTT, OCC DK GY TO  
BLK STRKS/STRI, OCC BRNSH/GY MOTT, FRM, TR  
MOD FRM, BRTL, MSTLY MICRO XLN, OCC FN XLN,  
PLTY, OCC FLKY, SM ARG, OCC CLYST, TR DOLC CMT,  
OCC OPQTANSH SHRP ANG CHRT, OCC OOLTC W/TR  
DEFORM, OCC FOSUS W/FN CALCITE MTX OCC SLTY,  
NO VIS STAIN, NO ODOR, OCC MOLDC POR, SCAT  
HAIRLINE TO FN FRAC, OCC VDULL YEL FLOR, OCC  
DULL STRW FLOR, TR WK MLKY WHT CUT W/10%  
HCL, LRG MOD FR SPTTY PALE YEL RES RING

(-2291')

THIRD CHEROKEE @  
5195' MD 5126' TVD

LS: CRM TO DK CRM, TR TANSH, SCAT LT GY TO GY  
MOTT, OCC BUFF, OCC OFF WHT TO V/LT CRM, OCC  
DK TAN, MSTLY MOD FRM, OCC V/FRM, BRTL, OCC  
MSHY, MSTLY MICRO XLN, OCC TO TR V/FN XLN, OCC  
SLI SUC TXT, PLTY, TR BLKY, OCC CHNKY, SM TO  
ABNDNT ARG TR MPLY IP SCAT DOLC CMT OCC

MWT 9.0  
VIS 60  
LCM 6#

FM GAS 2070  
UNITS

KD

FM GAS 2224  
UNITS

300 McCOY : WHITAKER-SCHWAB TH 8X 2700

MD 5229 TVD 5148.85  
INC 49.02 AZ 4.14  
N 236.1 E -90.25  
VS 233.81

5248'

MD 5260 TVD 5168.27  
INC 53.4 AZ 4.97  
N 260.18 E -88.33

5312'

MD 5292 TVD 5186.59  
INC 56.75 AZ 5.51  
N 286.3 E -85.93  
VS 284.1

5312'

MD 5323 TVD 5202.85  
INC 59.96 AZ 6.2  
N 312.55 E -83.24  
VS 310.41

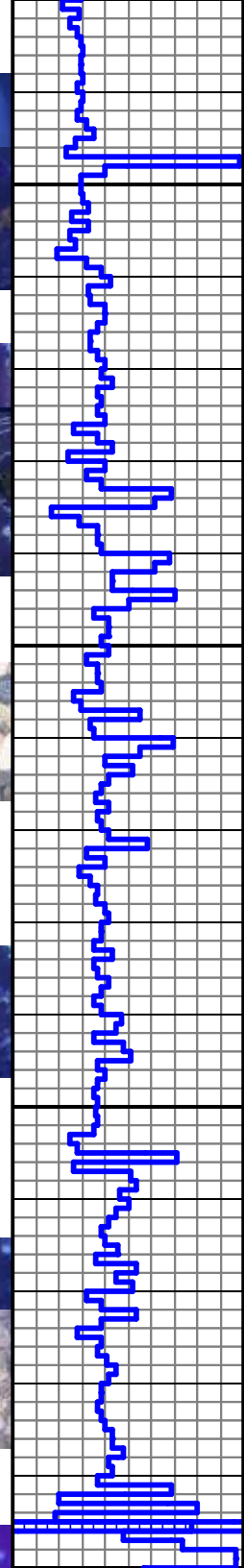
5344'

MD 5355 TVD 5218.14  
INC 62.94 AZ 6.16  
N 340.49 E -80.21  
VS 338.42

5376'

MD 5386 TVD 5231.71  
INC 65.16 AZ 6.81  
N 368.19 E -77.07  
VS 366.18

5388'

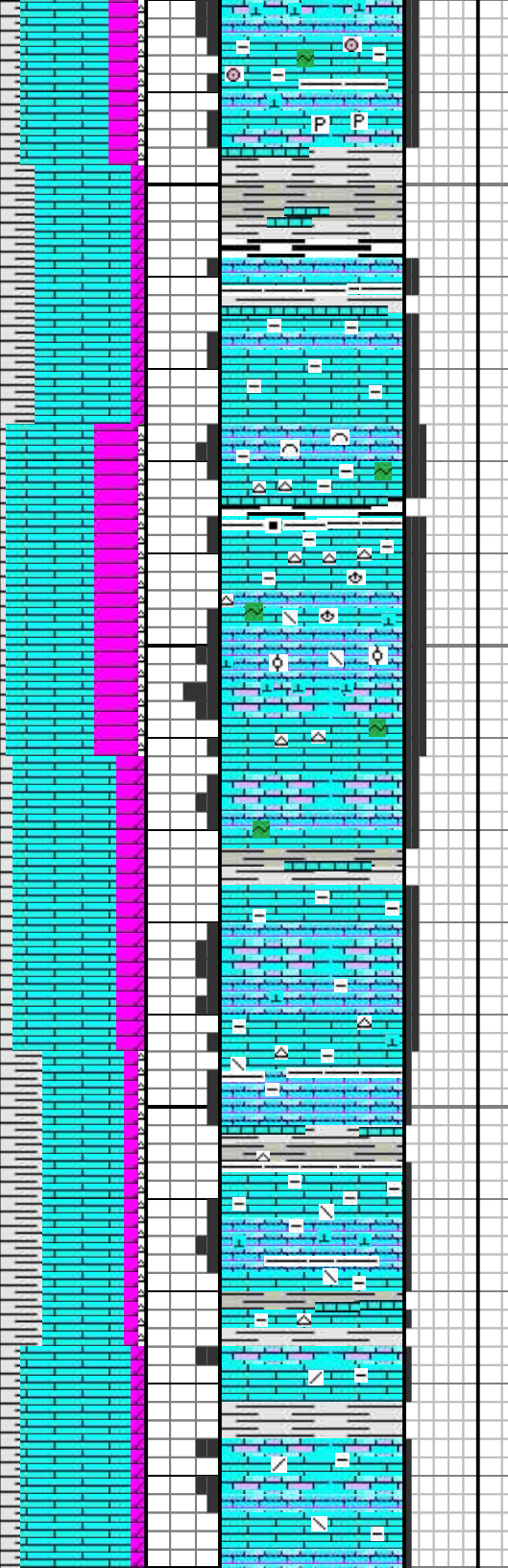


5250

5300

5350

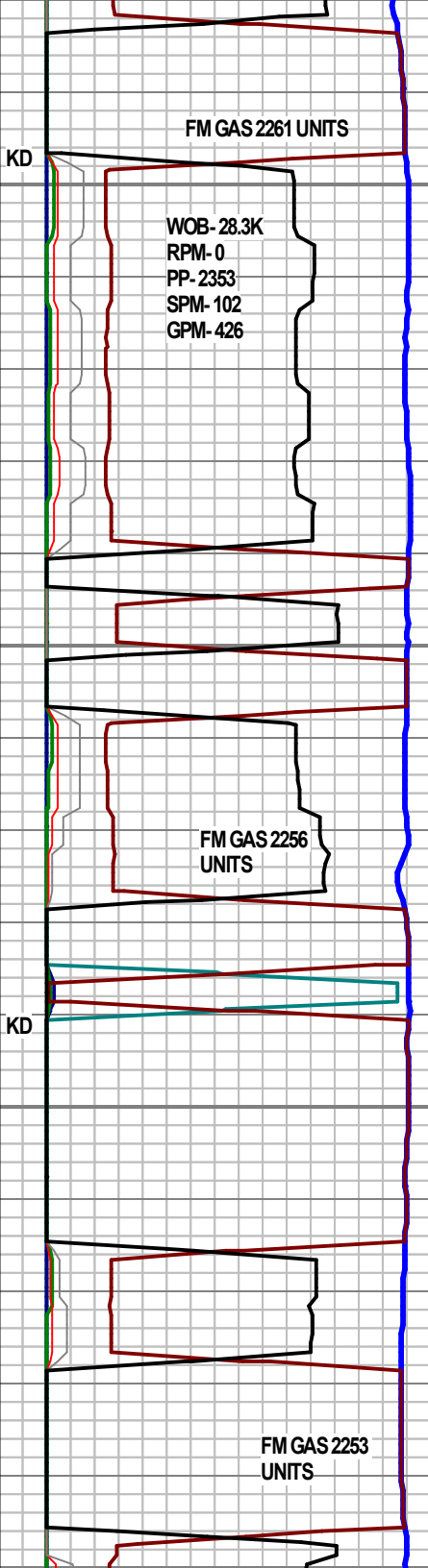
5400



ABNDNT FRG, TR MKRY IP, SCAT DOLC CMT, OCC  
INTRBD DOLO, TR TANSH/OPQ HRD SHRP ANG CHRT,  
OCC ANHED CALCITE FL, OCC MIN PYR INC., OCC  
GLAUC, OCC WSPY SH PRTINGS, TR FOSUS W/CRIN  
FRAGS IN V/FN ARG MTX, NO VIS STAIN, NO ODOR,  
OCC PP POR, OCC XLN POR, TR FN FRAC W/OCC  
DISS, SM LAM SH: LT GY TO GY, SCAT DK GY, TR BLK,  
MOD FRM, BRTL, V/FN TO SMTH TXT, DULL LSTR,  
PLTY, NON CALC, TR SLTY IP, SCAT CARB, TR PYR  
INC., TR DULL YEL TO V/DULL YEL FLOR, OCC DULL  
STRW FLOR, TR WK TO MOD FR VSLO STRMNG  
STRWWHT CUT, LRG MOD FR SPTTY PALE YEL RES  
RING

LS: OFF WHT TO VLT CRM, SCAT LT CRM, SCAT CRM,  
TR TAN TO DK TAN MOTT, OCC LT TO VLT GY STRKS,  
MOD FRM, TR FRM, BRTL, OCC CRMBLY, V/FN TO TR  
FN XLN, SCAT MICRO XLN, OCC SLI SUC TXT, PLTY, TR  
CHNKY, OCC BLKY, TR ARG, SM DOLC CMT, SCAT TO  
TR INTRBD DOLO, OCC CLY INFLL, TR ANHED  
CALCITE FL W/OCC LRG, OCC GLAUC, OCC SMKY TO  
WHT SHRP ANG CHRT, TR FOSUS W/BRACH, OCC  
OOLT, OCC DK BRN SPOT STAIN ALONG FRAC/PP  
POR, NO ODOR, SCAT HAIRLINE TO FN FRAC, TR XLN  
POR, OCC PP POR, OCC THN BDD BLK CARB SH, TR  
DULL PALE YEL TO DULL STRW FLOR, FR MLKY  
STRWWHT CUT W/10% HCL, FR HVY THN PALE YEL  
RES RING

LS: LT TO VLT GY, OCC GY, TR TO SCAT LT CRM, OCC  
CRM TO BUFF, MOD FRM, SM MOD SFT, SCAT  
CRMBLY, V/FN XLN, SM TO SCAT MICRO XLN, PLTY,  
SCAT BLKY, SM ARG, TR MRLY IP, INCRSE DOLC CMT,  
OCC ANHED CALCITE FL, TR GILS ALONG FRAC, TR  
TO SCAT WSPY SH PRTINGS, NO VIS STAIN, NO ODOR,  
SCAT HAIRLINE FRAC, TR XLN POR, SM LAM SH: GY  
TO SCAT LT GY, OCC DK TO V/DK GY, MOD SFT, TR  
MSHY, V/FN TXT, DULL LSTR, PLTY, TR CHNKY, NON  
CALC, SCAT SLTY IP, OCC MICRO MICA, TR TO OCC  
DULL YEL TO DULL PALE YEL FLOR, TR WK TO VWK  
MLKY STRWWHT CUT, @BASE FR STRW W/10% HCL,  
THIN WHT RES RING



FM GAS 2261 UNITS

WOB- 28.3K  
RPM- 0  
PP- 2353  
SPM- 102  
GPM- 426

FM GAS 2256 UNITS

FM GAS 2253 UNITS

ROP (m/ft)

MD 5417 TVD 5244.4  
INC 66.49 AZ 6.43  
N 396.28 E -73.81  
VS 394.34  
5420'

MD 5449 TVD 5257.15  
INC 66.55 AZ 6.76  
N 425.43 E -70.43  
VS 423.57

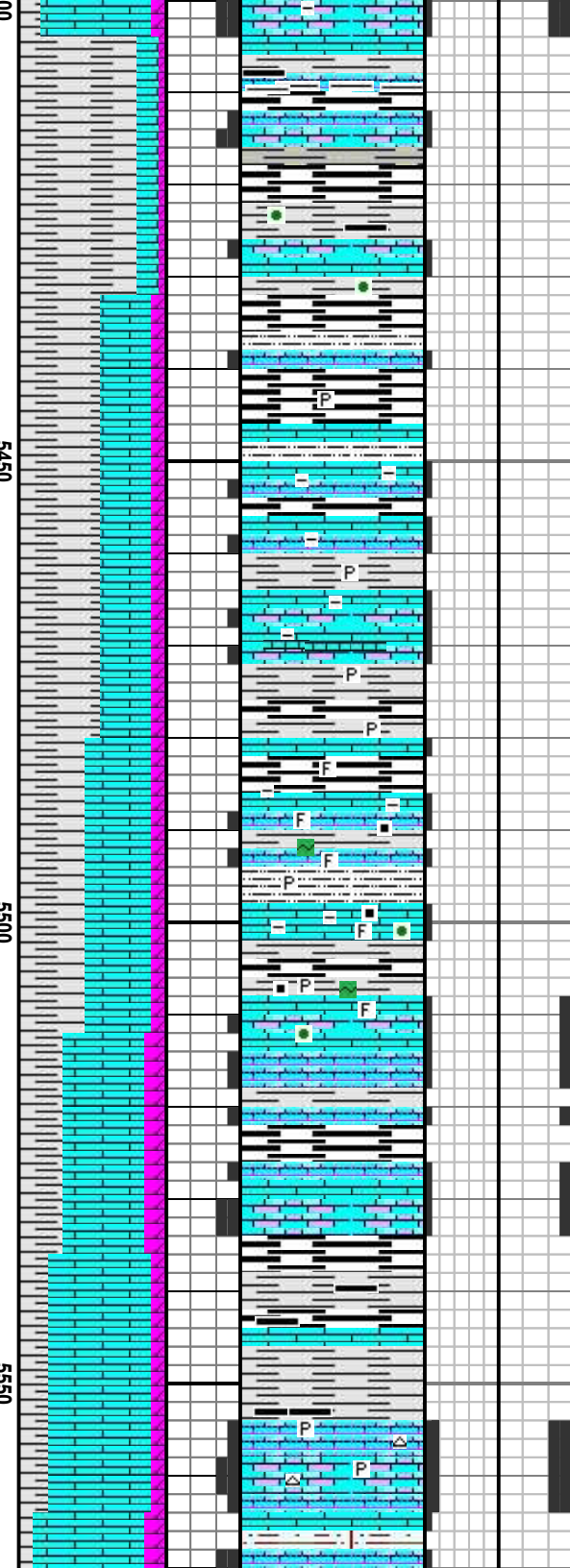
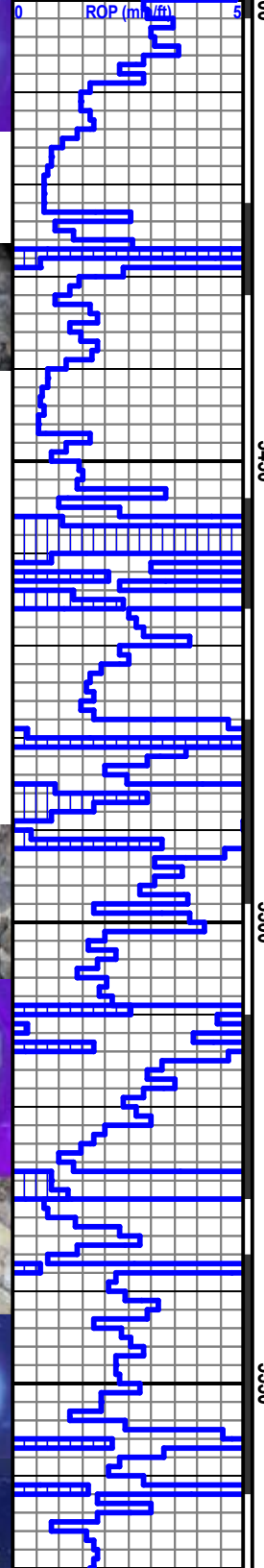
WOB- 21.4K  
RPM- 15  
PP- 2513  
SPM- 102  
GPM- 448

MD 5480 TVD 5269.17  
INC 67.83 AZ 7.37  
N 453.79 E -66.92  
VS 452.01  
5495'

5515'

5525'

5560'



### ATOKA @ 5415' MD (-2409') 5244' TVD

SH: DK GY, BLK, TR LT GY, MOD FRM, OCC MOD SFT, V/FN TO FN TXT, SM SLTY TXT IP, DULL LSTR, OCC ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC, SCAT CARB, OCC FN RNDD QRTZ GRNS, NO VIS STAIN, NO ODOR, LS: CRM TO LT TAN, SM OFF WHT, OCC GY, MOD FRM, SM FRM, OCC BRTL, V/FN XLN, BLKY, BRKN, OCC PLTY, SM DOLO CMT, OCC ARG CMT, NO VIS STAIN, NO ODOR, SM HL FRAC POR, SM VUG POR, OCC XLN POR, OCC YEL FLOR, NO VIS CUT, NO RES RING

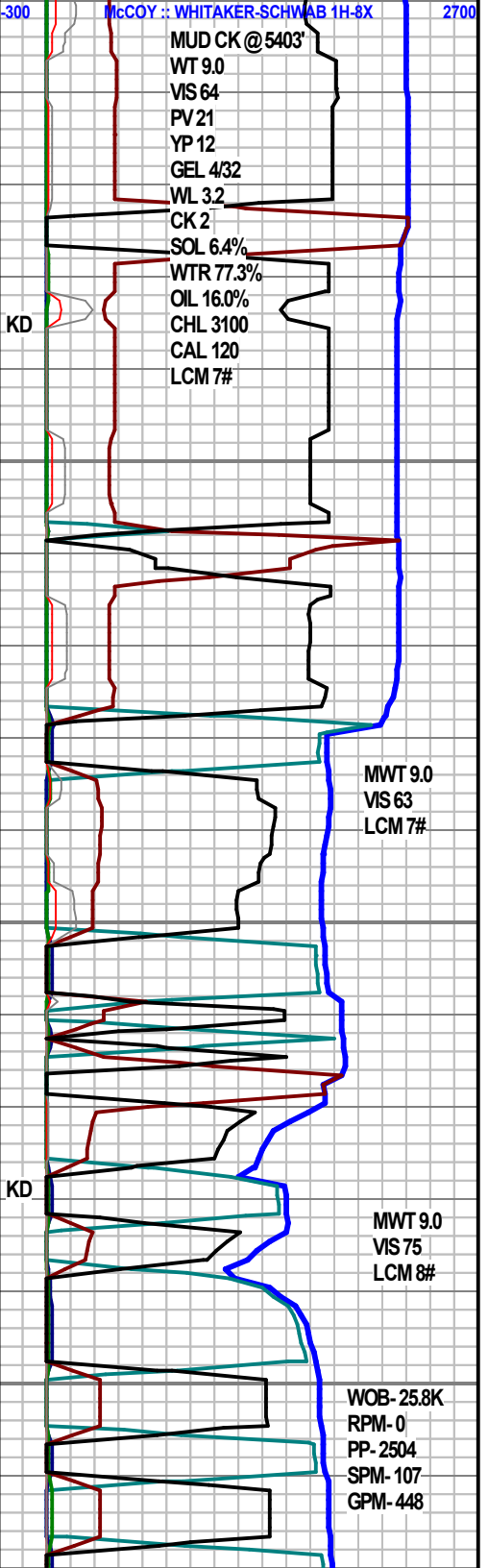
SH: GY, DK GY, BLK, OCC LT GY, MOD FRM TO FRM, SM MOD SFT, V/FN TXT, SM SLTY TXT, DULL TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC, SM CARB, NO VIS STAIN, NO ODOR, LS: CRM, LT TAN, SM OFF WHT, LT GY, MOD FRM, SM FRM, OCC BRTL, V/FN XLN, SM MICRO XLN, BLKY, CHNKY, OCC PLTY, SM DOLO CMT, SM ARG CMT, NO VIS STAIN, NO ODOR, SM HL FRAC POR, SM VUG POR, OCC XLN POR, OCC DULL PALE YEL FLOR, NO VIS CUT, NO RES RING

SH: GY, SM LT GY, BLK, OCC GY, MOD FRM, TR FRM, SM MOD SFT, V/FN TXT, SM SLTY TXT, DULL LSTR, CHNKY, SM PLTY, OCC PYR INC, SM CARB, TR GLAUC, OCC FN RNDD QRTZ GRNS, NO VIS STAIN, NO ODOR, LS: CRM, LT TAN, SM TAN, LT GY, MOD FRM, SM FRM, OCC BRTL, V/FN XLN, SM MICRO XLN, BLKY, CHNKY, OCC PLTY, SM DOLO CMT, SM ARG CMT, NO VIS STAIN, NO ODOR, SM HL FRAC POR, TR VUG POR, OCC XLN POR, SCAT DULL PALEYEL FLOR, SLO WK STRW CUT W/ 10% HCL, THIN STRW RES RING

### MORROW SHALE @ 5522' MD (-2449') 5284' TVD

### CHESTER @ 5554' MD 5292' (-2457')

LS: CRM, LT TAN, SM LT GY/TAN, OCC LT GY, SM LT BRN MOTT, FRM, SM MOD SFT, MOD HRD, OCC V/FRM, BRTL, V/FN XLN, TR MICRO XLN, BLKY, CHNKY, SM BRKN, OCC PLTY, SM DOLO CMT, TR FN DOLO RHOMBS INCLS, TR SM FOSS FRAGS INCLS, TR LMY



MUD CK @ 5403'  
WT 9.0  
VIS 64  
PV 21  
YP 12  
GEL 4/32  
WL 3.2  
CK 2'  
SOL 6.4%  
WTR 77.3%  
OIL 16.0%  
CHL 3100  
CAL 120  
LCM 7#

MWT 9.0  
VIS 63  
LCM 7#

MWT 9.0  
VIS 75  
LCM 8#

WOB- 25.8K  
RPM- 0  
PP- 2504  
SPM- 107  
GPM- 448

MD 5574 TVD 5297.15  
INC 77.29 AZ 5.26  
N 542.82 E -56.68  
VS 541.26

09/26/2019

5618'

5630'

5644'

5656'

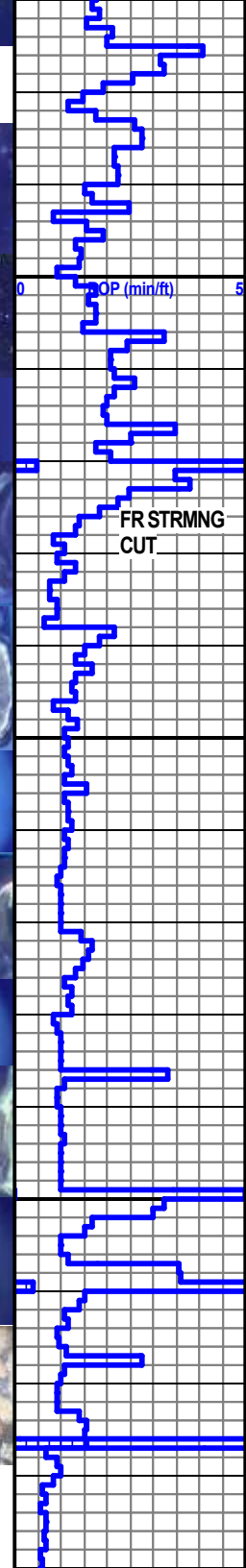
5680'

5702'

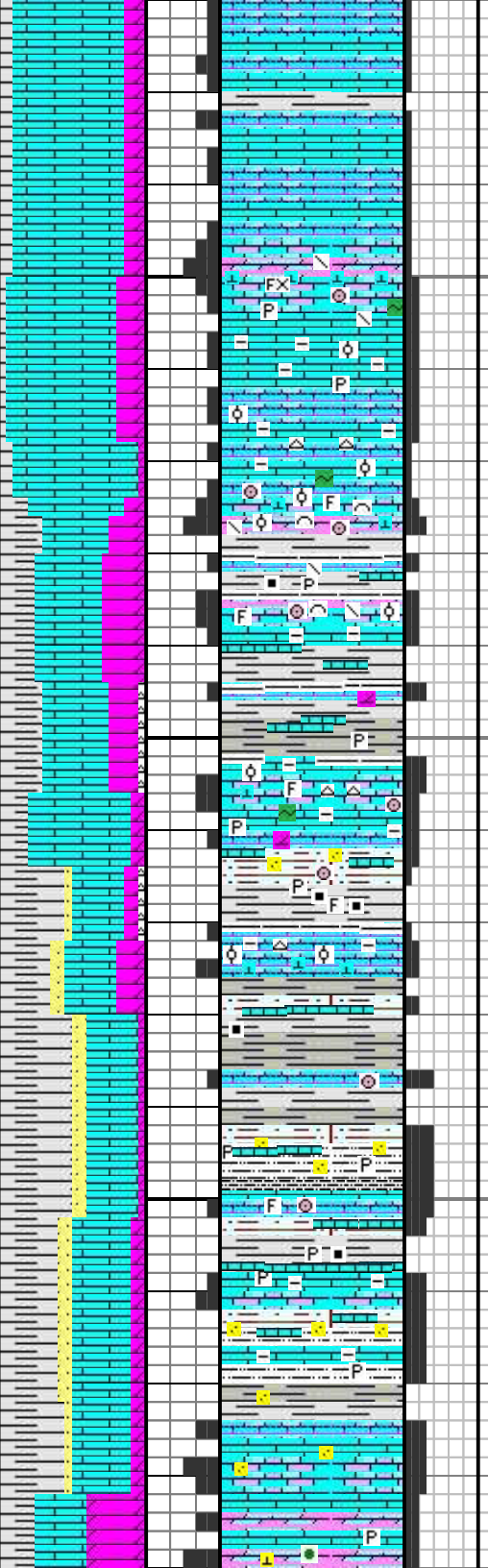
5723'

09/27/2019

MD 5734 TVD 5315.17  
INC 88.34 AZ 8.26  
N 309.59 E -29.26



5600  
5650  
5700

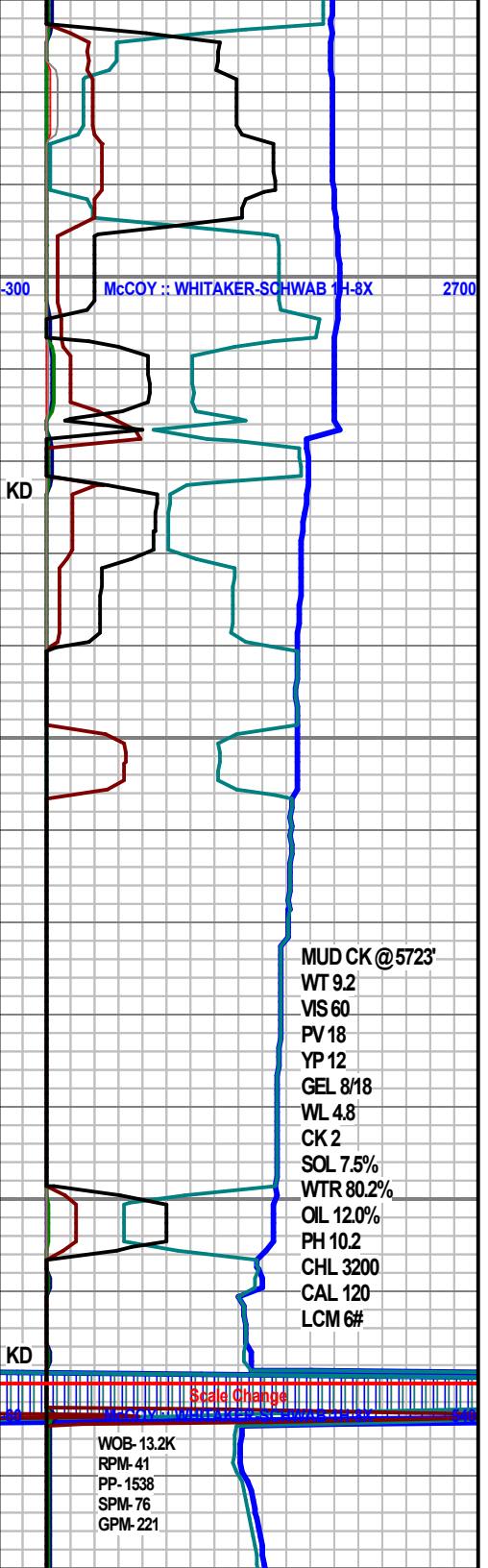


SLTSTN, TR GLAUC, SCAT TRANS SHRPANG CHRT,  
SM BRN SPOT STAIN IP, NO ODOR, SM PP POR, SM  
VUG POR, TR XLN POR, SH: DRK GY TO BLK, SM  
GRN/GY, OCC LT GY, MOD FRM, SM SFT, V/FN TXT, SM  
SLTY TXT IP, ERTHY LSTR, CHNKY, SM FISS, OCC PYR  
INC, SCAT THIN CARB LAM, SCAT DULL YEL FLOR,  
FR MILKY BLU/WHT CUT, FR YEL RES RING

LS: CRM TO V/LT CRM, SCAT OFF WHT, OCC TAN TO  
BRN MOTT, TR TO OCC LT GY MOTT, FRM TO MOD  
FRM, BRTL, V/FN TO SCAT FN XLN, SCAT MICRO XLN,  
PLTY, TR BLKY, DECRSE ARG, TR TO SCAT DOLC  
CMT, TR INTRBD DOLO, TR ANHED CALCITE FL, OCC  
EUHED DRSY CALCITE, OCC GLAUC, OCC MIN PYR  
INC, TR FOSS FRAGS W/CRIN, TR OOLTC WOCC FN  
SUC DOLC MTX, OCC SHRP ANG SPIC CHRT, TR BRN  
TO V/DK BRN/BLK SPOT STAIN, NO ODOR, SCAT XLN  
POR, TR MOLDC POR, SCAT HAIRLINE TO STYL C  
FRAC, TR DULL YEL TO DULL DK YEL FLOR, WK TO  
MOD FR MILKY STRW/WHT CUT W/10% HCL, FR LRG  
SPTTY HVY PALE YEL RES RING

SH: GY TOLT GY, SCAT DK TO V/DK GY, OCC BLK,  
SCAT V/LT GY, MOD FRM, TR MOD SFT, MSTLY BRTL,  
V/FN TO SLTY TXT, TR AREN, PLTY, SCAT CHNKY, TR  
CALC, SM SLTY IP, SCAT SLTST W/TRAREN, OCC PYR  
INC, TR CARB WOCC FOSS DEBRIS, SM LAM LS: LT  
CRM TO OFF WHT, SCAT CRM, SM TO SCAT LT GY, TR  
DK GY MOTT, OCC BRN/BLK MOTT, FRM TO MOD  
FRM, BRTL, SCAT CRMBLY, FN TO V/FN XLN, OCC  
SUC TXT, PLTY, SM CHNKY, SCAT ARG, SM DOLC CMT,  
SCAT INTRBD DOLO, TR EUHED DRSY CALCITE, TR  
ANHED CALCITE FL, OCC IMBDD FN DOLO RHOMBS,  
OCC GLAUC, OCC MIN PYR INC, OCC SHRP ANG OPQ  
TO SMKY CHRT, SM FOSUS W/CRIN W/TR SPRRY  
CALCITE MTX, SCAT OOLTC, SCAT BRN TO TR V/DK  
BRN/BLK SPOT STAIN, TR WK ODOR, SM MOLDC  
POR, TR PP POR, SCAT XLN POR, SCAT TO TR DULL  
YEL TO DULL DK YEL FLOR, SCAT FR TO GD IMMD  
STRMNG STRW CUT, FR HVY LRG YEL RES RING

DRILLER'S TD FOR 7" CASING @  
5723' MD 5714' TVD ON 09/26/2019



300 McCOY :: WHITAKER-SCHWAB 1H-8X 2700

KD

KD

MUD CK @ 5723'  
WT 9.2  
VIS 60  
PV 18  
YP 12  
GEL 8/18  
WL 4.8  
CK 2  
SOL 7.5%  
WTR 80.2%  
OIL 12.0%  
PH 10.2  
CHL 3200  
CAL 120  
LCM 6#

Scale Change

WOB- 13.2K  
RPM- 41  
PP- 1538  
SPM- 76  
GPM- 221

N 700.59 E -39.36  
VS 699.41

5755'

MD 5764 TVD 5315.48  
INC 90.46 AZ 8.34  
N 730.27 E -35.03  
VS 729.19



MD 5795 TVD 5314.7  
INC 92.43 AZ 7.55  
N 760.96 E -30.75  
VS 759.97

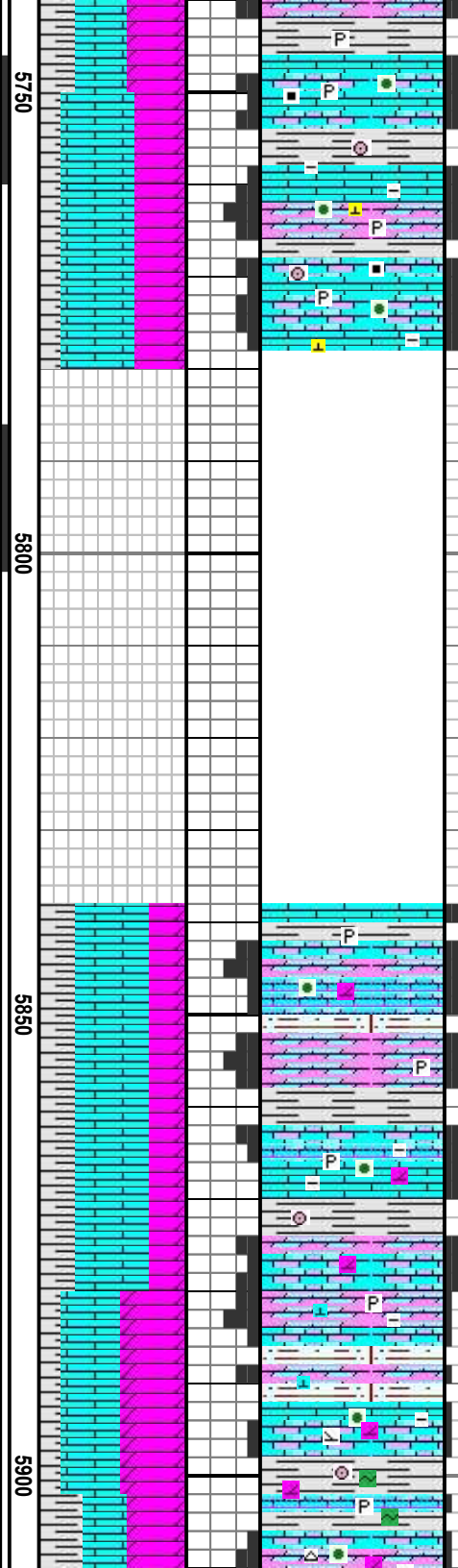
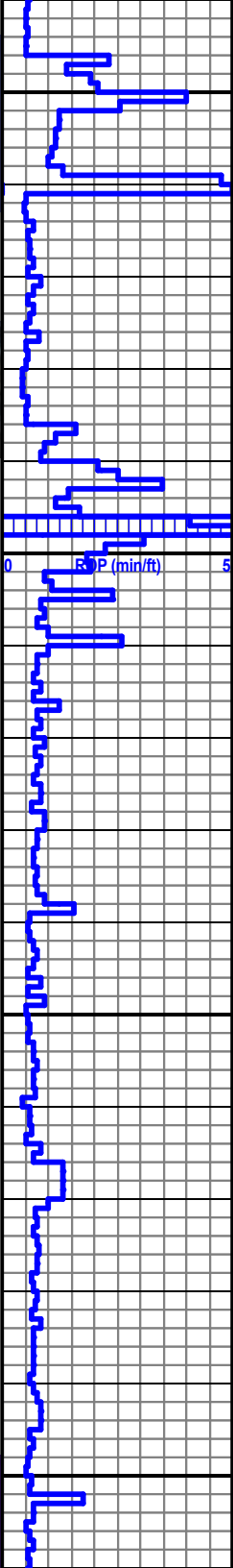
MD 5826 TVD 5313.26  
INC 92.9 AZ 7.2  
N 791.67 E -26.77  
VS 790.77

MD 5857 TVD 5311.67  
INC 92.99 AZ 7.18  
N 822.39 E -22.89  
VS 821.57

WOB- 18.7K  
RPM- 53  
PP- 1935  
SPM- 85  
GPM- 248

MD 5888 TVD 5309.97  
INC 93.27 AZ 7.04  
N 853.1 E -19.06  
VS 852.37

5900'



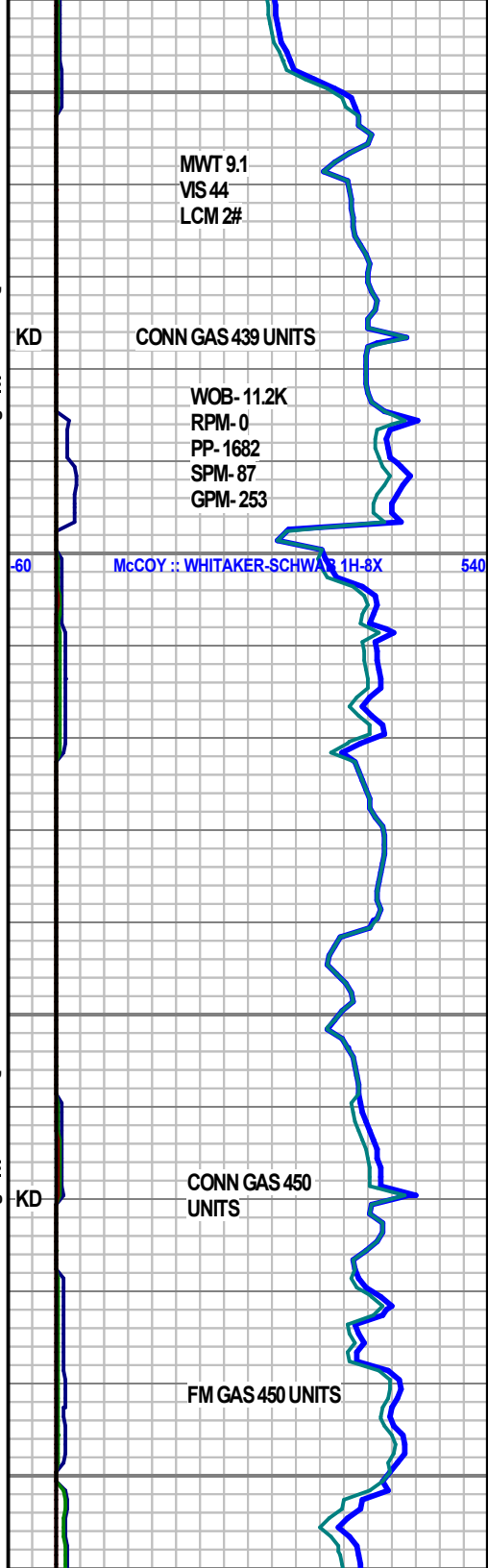
DRILLING W/ BIT #6 : 6.125" : HAL :  
MMD64C ; 12897780 : 3X12'S & 3X20'S:  
IN @ 5723'

LS: CRM, LT TAN, OCC LT BRN, OCC OFF WHT, TR WHT, OCC TRNSL, MOD FRM TO FRM, OCC V/FRM, OCC BRTL, V/FN TO FN XLN, OCC MICRO XLN, BLKY, CHNKY, OCC PLTY, SM DOLO CMT, OCC ARG CMT, TR GY LMY SLTSTN, OCC CRIN, TR SID, OCC CHRT, SM PYR, SCAT RNDQ QRTZ GRNS THRU OUT, SM SCALE IP, TR BRN SPOT STAIN, FNT ODOR, SM HL FRAC POR, SM VUG POR, TR XLN POR, SH: DRK GY TO BLK, OCC LT GY TO GY, MOD FRM, SM SFT, OCC BRTL, V/FN TXT, SM SLTY TXT, DULL TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC, NO VIS STAIN, NO ODOR, SM PALE TO TR BRI YELL FLOR, FR MLKY LT BLUE CUT W/ 10% HCL, LRGLT BLUE RES RING

NO SAMPLE CAUGHT

LS: CRM, LT TAN, OCC LT BRN, OCC OFF WHT, TR WHT, OCC TRNSL, MOD FRM TO FRM, OCC V/FRM, OCC BRTL, V/FN TO FN XLN, OCC MICRO XLN, BLKY, CHNKY, OCC PLTY, SM DOLO CMT, OCC ARG CMT, TR GY LMY SLTSTN, OCC CRIN, TR SID, OCC CHRT, SM PYR, SCAT RNDQ QRTZ GRNS THRU OUT, SM SCALE IP, TR BRN SPOT STAIN, FNT ODOR, SM HL FRAC POR, SM VUG POR, TR XLN POR, SH: DRK GY TO BLK, OCC LT GY TO GY, MOD FRM, SM SFT, OCC BRTL, V/FN TXT, SM SLTY TXT, DULL TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC, NO VIS STAIN, NO ODOR, SM PALE TO TR BRI YELL FLOR, FR MLKY LT BLUE CUT W/ 10% HCL, LRGLT BLUE RES RING

LS: CRM, LT TAN, OCC LT BRN, OCC OFF WHT, TR WHT, OCC TRNSL, MOD FRM TO FRM, OCC V/FRM, OCC BRTL, V/FN TO FN XLN, OCC MICRO XLN, OCC SUC TXT, BLKY, CHNKY, OCC PLTY, SM DOLO CMT, OCC ARG CMT, TR GY LMY SLTSTN, SM CRM DOLOSTN THRU OUT, OCC CRIN, TR TR CLAUIC



MD 5918 TVD 5308.32  
INC 93.05 AZ 7.55  
N 882.81 E -15.26  
VS 882.17

5980'

MD 5949 TVD 5306.75  
INC 92.74 AZ 6.91  
N 913.53 E -11.36  
VS 912.97

WOB- 12.0K  
RPM- 51  
PP- 1900  
SPM- 88  
GPM- 256

MD 5979 TVD 5305.3  
INC 92.81 AZ 6.91  
N 943.27 E -7.76  
VS 942.8

5995'

ROP (min/ft)

MD 6010 TVD 5303.76  
INC 92.9 AZ 7.24  
N 974 E -3.94  
VS 973.61

6020'

MD 6041 TVD 5302.14  
INC 93.11 AZ 7.35  
N 1004.71 E -0.01  
VS 1004.4

09/28/2019

6050'

MD 6071 TVD 5300.49  
INC 93.18 AZ 6.95

5950

6000

6050

DOLOSTN THRU OUT, OCC CRIN, TR TR GLAUC  
INCLS, OCC CHRT, SM PYR, SCAT MED RNDQ QRTZ  
GRNS THRU OUT, SM FERR SCALE IP, TR FREE  
CALCITE, TR BRN SPOT STAIN, OCC DK GY STAIN IP,  
FNT ODOR, SM HL FRAC POR, SM VUG POR, TR XLN  
POR, SM DULL PALE YEL FLOR, PR TO WK MLKY YEL  
CUT W/ 10% HCL, LRG YEL RES RINGSH: DRK GY TO  
BLK, OCC LT GY TO GY, MOD FRM, SM SFT, OCC  
BRTL, V/FN TXT, SM SLTY TXT, DULL TO ERTHYLSTR,  
CHNKY, SM PLTY, OCC PYR INC,

LS: CRM, LT TAN, OCC LT BRN, OCC OFF WHT, TR  
WHT, OCC TRNSL, MOD FRM TO FRM, OCC V/FRM,  
OCC BRTL, V/FN TO FN XLN, OCC MICRO XLN, OCC  
SUC TXT, BLKY, CHNKY, OCC PLTY, SM DOLO CMT,  
OCC ARG CMT, TR GYLMY SLTSTN, SM CRM  
DOLOSTN THRU OUT, SCAT BRKN CRIN, TR TR  
GLAUC INCLS, OCC CHRT, SM PYR, SCAT OOLTIC IP,  
SCAT MED RNDQ QRTZ GRNS THRU OUT, SM FERR  
SCALE IP, TR FREE CALCITE, TR BRN SPOT STAIN,  
OCC DK GY STAIN IP, FNT ODOR, SM HL FRAC POR,  
SM VUG POR, TR XLN POR, SM DULL PALE YEL FLOR,  
SLOWK MLKY YEL CUT W/ 10% HCL, PR YEL RES  
RINGSH: DRK GY TO BLK, OCC LT GY TO GY, MOD  
FRM, SM SFT, OCC BRTL, V/FN TXT, SM SLTY TXT,  
DULL TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR  
INC,

LS: CRM TO LT CRM, SCAT DK CRM, TR TO SCAT OFF  
WHT, OCC TAN, OCC LT GYMOTT, FRM TO SM MOD  
FRM, BRTL, MICRO XLN, TR V/FN TO FN XLN, PLTY, TR  
BLKY, TR CHNKY, TR TO INCRSINGARG, DECRSING  
DOLC CMT, TR INTRBD DOLO, TR MIN PYR INC., OCC  
ANHED CALCITE FL, TR GLAUC, OCC OPQ TO  
BLU/GY SHRPANG CHRT, OCC TO TR CRIN FRAGS,  
OCC OOLTIC, OCC MIN BRN SPOT STAIN W/ TR  
ASPHLTC ALONG FRAC, NO ODOR, SCAT FN TO  
HAIRLINE FRAC, OCC MOLDC POR, OCC XLN POR, TR  
LAM SH: LT GY TO GY, SCAT DK GY TO BLK, OCC  
GRNSH/GY, MOD FRM, BRTL, V/FN TO SMTH TXT,  
DULL LSTR, NON CALC, OCC CARB, OCC PYR INC.,  
SCAT TO TR DULL TO V/DULL YEL FLOR, TR SLO  
MOD FR STRMNG STRW/WHT CUT, TR WK TO MOD  
FR SPTTY PALE YEL RES RING

MWT 9.0  
VIS 45  
LCM 2#

FM GAS 421  
UNITS

KD

CONN GAS  
427 UNITS

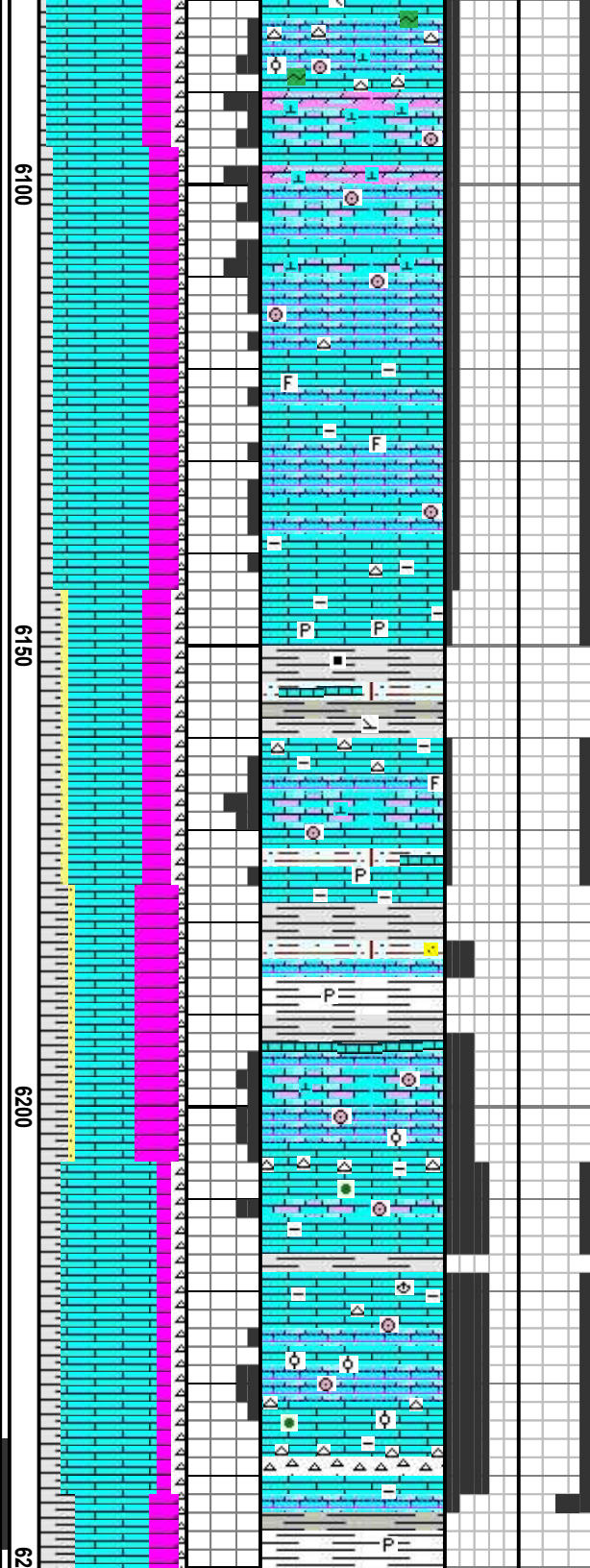
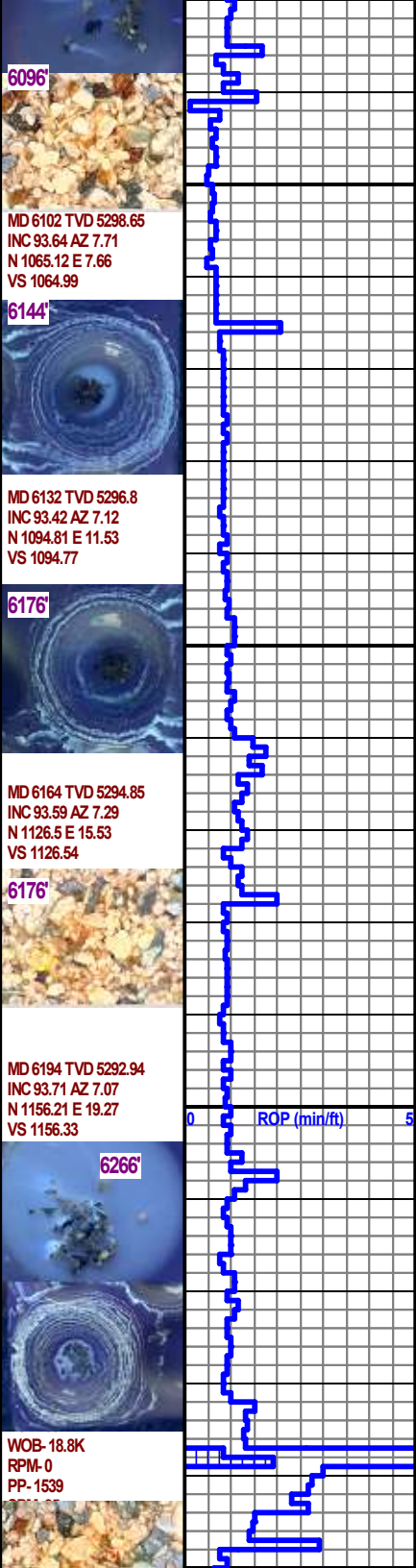
-60

McCOY :: WHITAKER-SCHWAB 1H-8X

540

KD

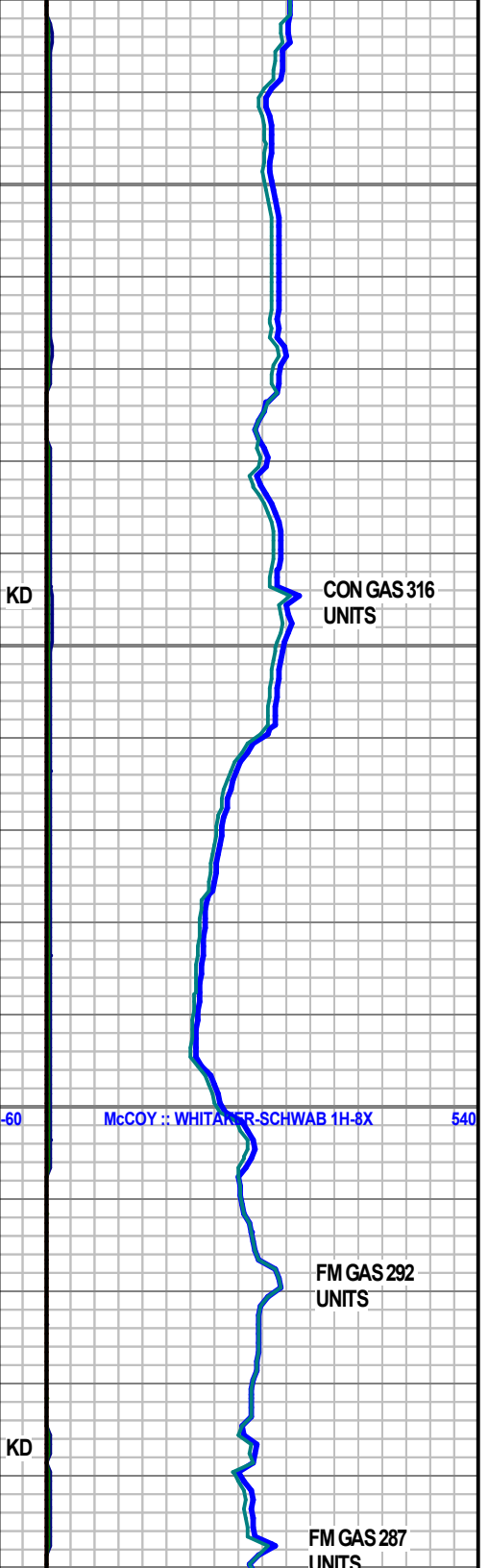
FM GAS 318 UNITS



LS: CRM TO LT CRM, SM V/LT CRM, TR OFF WHT, OCC WHT, OCC V/LT GYSH, MOD FRM, MSTLY BRTL, SCAT CRMBLY, FN XLN, SCAT MICRO XLN, PLTY, SCAT CHNKY, TR ARG, SM DOLC CMT, INCRSE INTRBD DOLO, TR MED EUHED DRSY CALCITE, TR PYR INC., OCC SMKY SHRPANG CHRT, TR CRIN FRAGS, OCC FOSS DEBRIS, NO VIS STAIN, NO ODOR, SCAT XLN POR, TR PP TO VUG POR, OCC FRAC, INCRSING SH: LT TO V/LT GY, OCC GRNSH/GY, TR TO OCC DK GY TO BLK, MOD SFT, SCAT MOD FRM, SM BRTL, V/FN TO SM SMTH TXT, TR SLTY IP, DULL LSTR, NON CALC, OCC SLI CARB, OCC FERR SCALE, OCC SLTST, TR TO OCC DULL YEL FLOR, TR DULL DK YEL FLOR, FAINT TO V/FAINT MLKY WHT CUT W/10% HCL, WK LRG SPTTY PALE YEL RES RING

LS: VLT CRM, SM LT CRM, SCAT CRM, TR OFF WHT, OCC OPQ TO TRNSL, MOD FRM, BRTL, FN TO V/FN XLN, SCAT MICRO XLN, PLTY, OCC BLKY, OCC FLKY, SCAT ARG, SM DOLC CMT, TR TO INCRSING INTRBD DOLO, TR MIN PYR INC., TR OPQ TO SMKY BLU/GY SHRP ANG CHRT, OCC SUB RND FN L TO OCC MED L OPQ QRTZ GRNS W/OCC GIL CTG, OCC CRIN FRAGS, TR FOSS FRAGS WBRACH, OCC HVY BLK SPOT STAIN, NO ODOR, TR TO SCAT XLN POR, TR HAIRLINE FRAC, OCC MOLDC POR, SCAT LAM SH: LT TO V/LT GY, SM V/PALE GRN, OCC DK GY, MOD SFT, TR MOD FRM, SMTH TXT, OCC V/FN TXT, DULL LSTR, PLTY, OCC SPLTY, OCC CHNKY, OCC PYR INC., SCAT DULL DK YEL FLOR, NO TO FAINT MLKY STRW/WHT CUT, FAINT SPTTY RES RING

LS: CRM TO LT CRM, SCAT DK CRM, TR TO SCAT OFF WHT, OCC TAN, OCC LT GYMOTT, FRM TO SM MOD FRM, BRTL, MICRO XLN, TR V/FN TO FN XLN, PLTY, TR BLKY, TR CHNKY, TR TO INCRSINGARG, SCAT DOLC CMT, TR INTRBD DOLO, TR MIN PYR INC., OCC ANHED CALCITE FL, OCC BLU/GY SHRPANG CHRT, CRIN FRAGS, OCC OOLTC, OCC MIN BRN SPOT STAIN W/





6266

MD 6257 TVD 5289.25  
INC 92.16 AZ 6.28  
N 1218.65 E 26.75  
VS 1218.94

WOB-21.1K  
RPM- 51  
PP- 1856  
SPM- 85  
GPM- 248

MD 6288 TVD 5287.96  
INC 92.62 AZ 5.73  
N 1249.45 E 29.99  
VS 1249.81

6338

MD 6320 TVD 5286.71  
INC 91.85 AZ 5.46  
N 1281.27 E 33.11  
VS 1281.7

6362

6362

MD 6382 TVD 5285.81  
INC 90.06 AZ 4.14  
N 1343.03 E 38.45

6402

MD 6414 TVD 5285.73  
INC 90.25 AZ 4.34  
N 1374.85 E 43.94

ROP (m/d/y)

50  
6300  
6350  
6400

TR ASPHLTC ALONG POR, NO ODOR, TR HAIRLINE FRAC, TR TO SCAT MOLDC POR, OCC XLN POR, TR LAM SH: LT GY TO GY, OCC GRNSH/GY, MOD FRM, BRTL, VFN TO SMTH TXT, DULL LSTR, NON CALC, OCC PYR INC., TR DULL YEL FLOR, IMMD FR STRMNG PALE YEL CUT, WK LRG SPTTY STRW RES RING

NO SAMPLE CAUGHT

LS: LT TO VLT CRM, SM OFF WHT, OCC VLT GY, OCC LT GY, MOD SFT TO MOD FRM, SM TO SCAT CRMBLY, FN TO SM VFN XLN, TR MICRO XLN, PLTY TO CHNKY, TR BLKY, SM DOLO CMT, SM TO SCAT INTRBD DOLO, TR LAM DOLO, TR ANHED CALCITE FL, OCC LRG EUHED DRSY CALCITE, OCC GLAUC, SCAT BIOCLST W/ CEPHL/OOLT/BRACH, TR CRIN FRAGS, OCC MIN PYR INC., SCAT DK BRN TO VDK BRN SPOT STAIN, WK ODOR, SCAT TO SM XLN POR, SCAT MOLDC POR, OCC VUG POR, TR THN BDD SH: LT GY TO GY, OCC PALE GRN TO PALE GRN/GY, MOD FRM, BRTL, PLTY, NON CALC, OCC MIN PYR INC., SCAT V/DULL DK YEL FLOR, TR YEL FLOR, WK TO TR FR IMMD STRMNG PALE YEL STRMNG CUT, WK SPTTY STRW TO YEL RES RING

LS: CRM TO LT CRM, SCAT DK CRM, TR TO SCAT OFF WHT, OCC TAN, OCC BRN TO LT BRN MOTT, MOD FRM, TR FRM, BRTL, TR CRMBLY, MSTLY VFN TO FN XLN, TR MICRO XLN, SCAT TO TR SUC TXT, PLTY, TR BLKY, TR CHNKY, TR TO OCC ARG, SM DOLC CMT, SCAT INTRBD DOLO, TR LAM DOLO, TR MED TO LRG EUHED DRSY CALCITE W/TR BRN OIL STAIN, OCC BLU/GY SHRPANG CHRT W/TR GLAUC, TR CRIN FRAGS, OCC MIN BRN SPOT STAIN, NO ODOR, TR VUG TO FN VUG POR, SCAT MOLDC POR, TR XLN POR, TR LAM SH: LT GY TO GY, OCC GRNSH/GY, MOD FRM, BRTL, VFN TO SMTH TXT, DULL LSTR, NON CALC, OCC PYR INC., TR SLTY IP, OCC SLTST W/TR AREN, OCC GLAUC, SCAT DULL DK YEL FLOR, TR TO OCC YEL FLOR, FR TO TR GD SLO STRMNG PALE YEL CUT, FR SPTTY YEL LRG RES RING

KD

MWT 9.1  
VIS 33

WOB-21.5K  
RPM- 53  
PP- 1808  
SPM- 85  
GPM- 246

-60

McCOY :: WHITAKER-SCHWAB 1H-8X

540

N 1374.95 E 40.81  
VS 1375.53



6424'

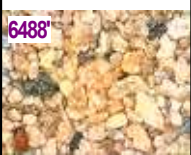
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INC 89.41 AZ 3.57  
N 1405.87 E 42.95  
VS 1406.5



6456'



6488'



6488'

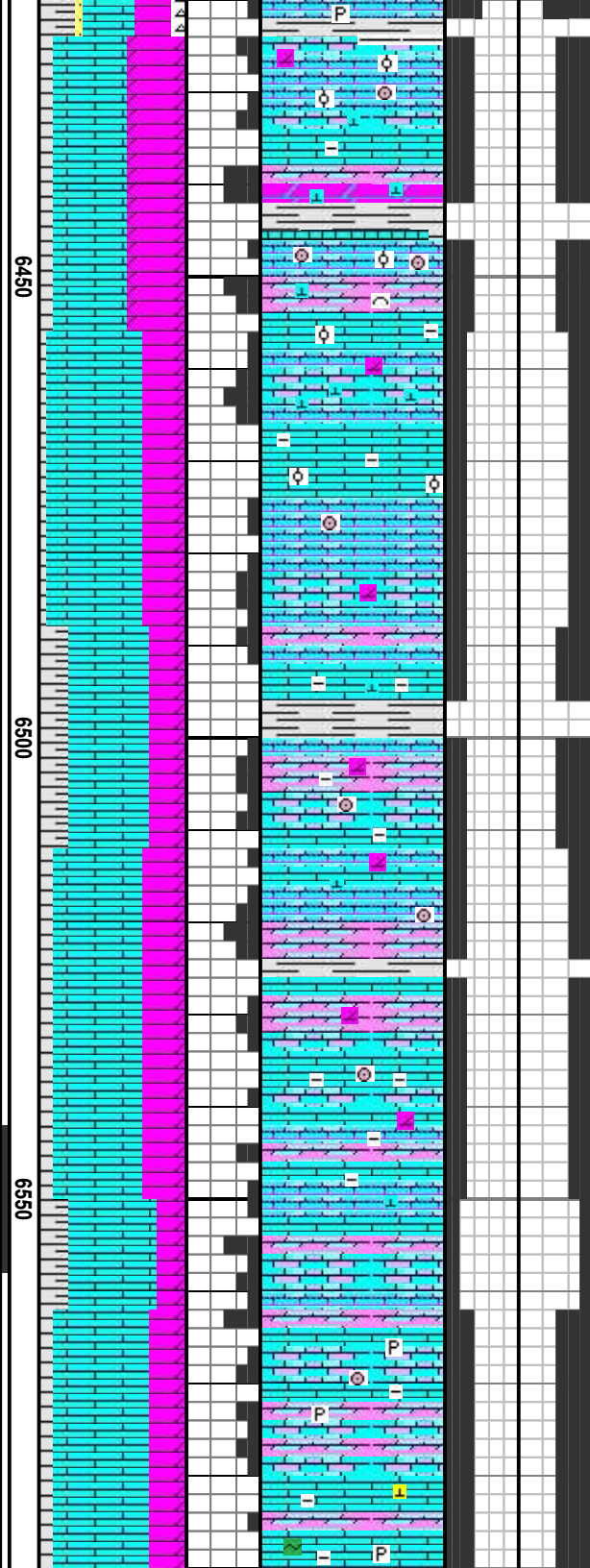
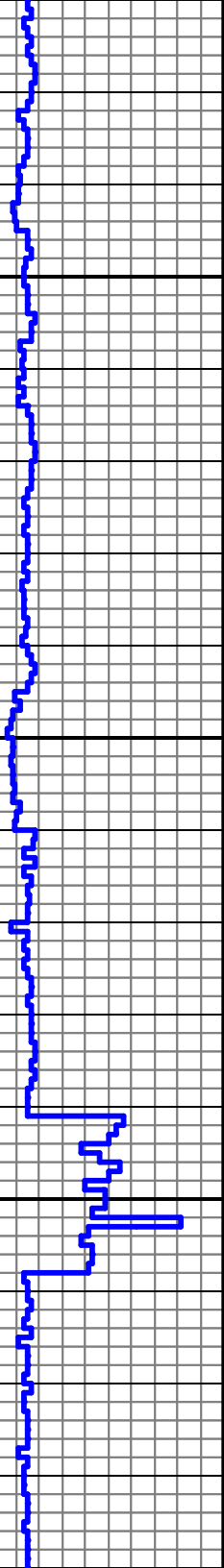


6530'



6550'

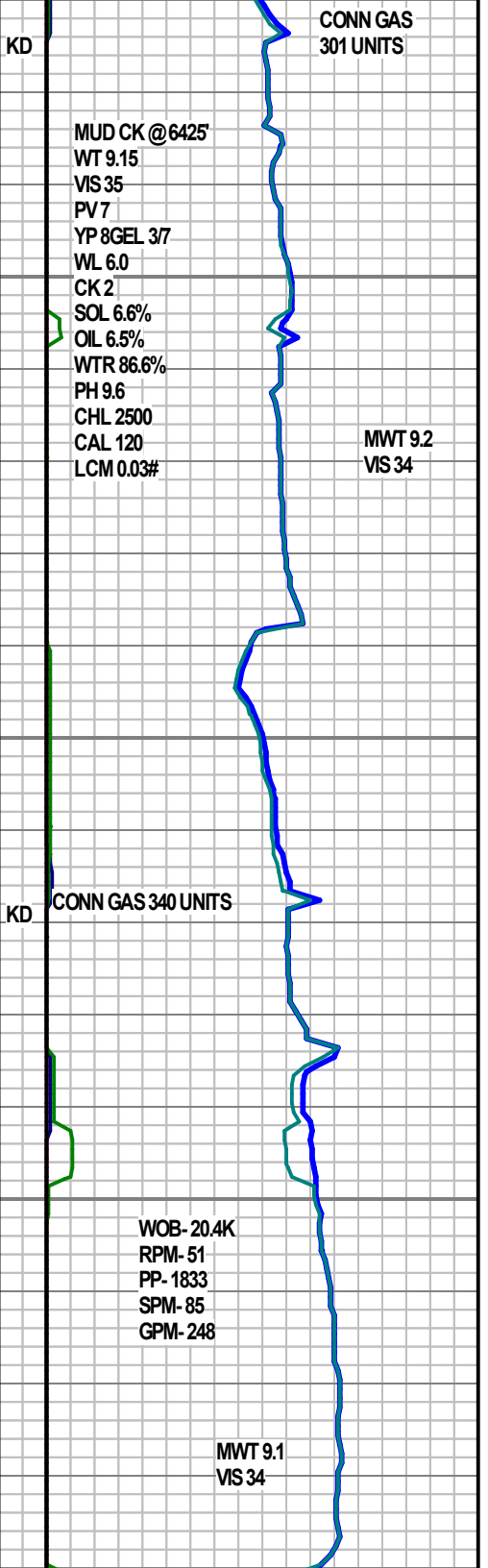
MD 6571 TVD 5286.75  
INC 90.09 AZ 4.62  
N 1531.55 E 51.91  
VS 1532.36



LS: SM VLT CRM, SM OFF WHT, OCC BRN MOTT, TR TO OCC LT GY MOTT, FRM TO MOD FRM, BRTL, VFN TO SM FN XLN, TR TO SCAT MICRO XLN, SCAT SUC TXT, PLTY, TR BLKY, TR ARG, SM TO SCAT DOLC CMT, SM INTRBD DOLO, TR ANHD CALCITE FL, TR EUHED DRSY CALCITE, TRT IMBDD DOLO RHOMBS, SCAT FOSS FRAGS W/CRIN, TR OOLTC W/OCC FN SUC DOLC MTX, TR BRN TO V/DK BRN/BLK SPOT STAIN, NO ODOR, SCAT XLN POR, SCAT MOLDC POR, TR VUG TO PP POR, TR LAM /THN BDD SH: LT TO VLT GY, TR VPAL E GRN, SCAT GY, MOD FRM, MSTLY BRTL, SMTH TXT, TR SLTY TXT, PLTY, TR CHNKY, NON CALC, OCC SLTST W/TR AREN, OCC MICRO MICA, SCAT V/DULL DK YEL TO TR DULL YEL FLOR, FR SLO STRMNG STRW WHT CUT,

LS: LT TAN, CRM, SCAT DK CRM, SCAT OFF WHT, OCC TAN, TR BRN TO LT BRN MOTT, MOD FRM, TR FRM, BRTL, TR CRMBLY, MSTLY VFN TO SM FN XLN, SCAT MICRO XLN, TR SUC TXT, PLTY, TR BLKY, TR CHNKY, SM BRKN, OCC ARG, SM DOLC CMT, SCAT INTRBD DOLO, OCC LAM DOLO, TR MED TO LRG EUHED DRSY CALCITE W/TR BRN OIL STAIN, SCAT CRIN FRAGS, SM BRN SPOT STAIN IP, NO ODOR, TR VUG POR, SCAT MOLDC POR, TR XLN POR, TR LAM SH: LT GY TO GY, OCC GRNSH/GY, MOD FRM, BRTL, VFN TO SMTH TXT, DULL LSTR, NON CALC, OCC PYR INC., TR SLTY IP, OCC SLTST W/TR AREN, OCC GLAUC, SCAT DULL DK YEL FLOR, TR YEL FLOR, FR TO PR MLKY BLU CUT, FR SPTTY YEL LRG RES RING

LS: CRM, LT TAN, OCC LT BRN, OCC OFF WHT, TR WHT, OCC TRNSL, MOD FRM TO FRM, OCC VFRM, OCC BRTL, VFN TO FN XLN, OCC MICRO XLN, OCC SUC TXT, BLKY, CHNKY, OCC PLTY, SM DOLO CMT, OCC ARG CMT, TR GY LMY SLTSTN, SM CRM DOLOSTN THRU OUT, SCAT BRKN CRIN, TR TR GLAUC INCLS, OCC CHRT, SM PYR, SM FERR SCALE



KD

KD

KD

CONN GAS  
301 UNITS

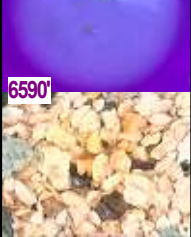
MUD CK @ 6425'  
WT 9.15  
VIS 35  
PV 7  
YP 8GEL 3/7  
WL 6.0  
CK 2  
SOL 6.6%  
OIL 6.5%  
WTR 86.6%  
PH 9.6  
CHL 2500  
CAL 120  
LCM 0.03#

MWT 9.2  
VIS 34

CONN GAS 340 UNITS

WOB- 20.4K  
RPM- 51  
PP- 1833  
SPM- 85  
GPM- 248

MWT 9.1  
VIS 34



WOB-18.0K  
RPM- 50  
PP- 1892  
SPM- 85  
GPM- 247



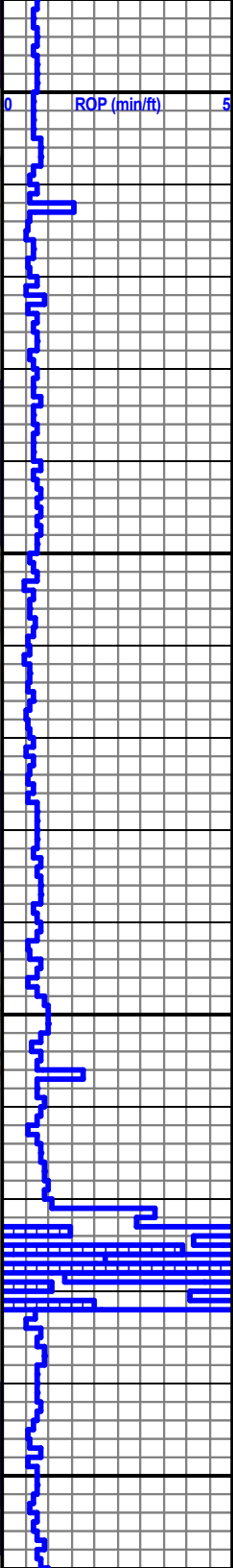
MD 6664 TVD 5286.48  
INC 90.25 AZ 4.57  
N 1624.25 E 59.36  
VS 1625.22



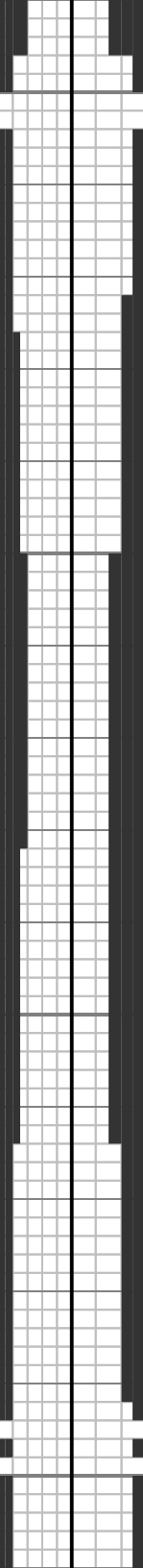
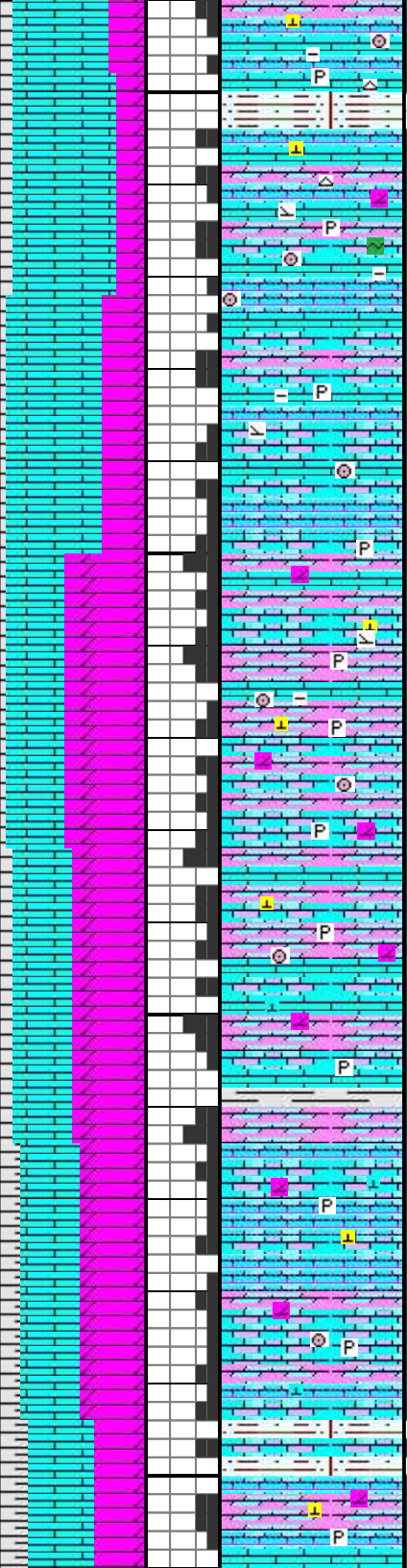
WOB-19.9K  
RPM- 0  
PP- 1339  
SPM- 85  
GPM- 248



MD 6758 TVD 5286.48



6600  
6650  
6700  
6750

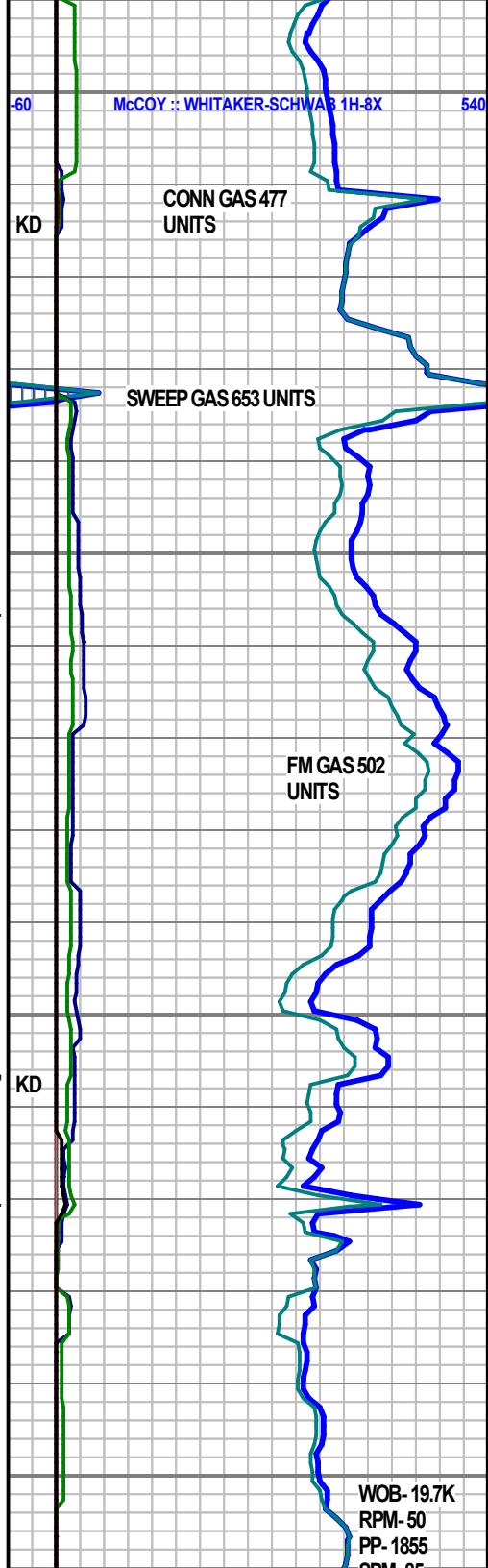


IP, TR FREE CALCITE, TR SID, TR BRN SPOT STAIN, OCC DK GY STAIN IP, FNT ODOR, SM HL FRAC POR, SM VUG POR, TR XLN POR, SM DULL PALE YEL FLOR, SLOW WK MLKY YEL CUT W/ 10% HCL, PR YEL RES RING SH: DRK GY TO BLK, OCC LT GY TO GY, MOD FRM, SM SFT, OCC BRTL, VFN TXT, SM SLTY TXT, DULL TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC,

LS: CRM, LT TAN, SM LT BRN, OCC OFF WHT, TR WHT, OCC TRNSL, MOD FRM TO FRM, TR VFRM, OCC BRTL, VFN TO FN XLN, TR MICRO XLN, SCAT SUC TXT, BLKY, CHNKY, PLTY, SM DOLO CMT, OCC ARG CMT, SM CRM DOLOSTN THRU OUT, SCAT CRIN FRAGS, OCC GLAUC, SM PYR, SCAT SID IP, OCC FN RNDD QRTZ GRNS, TR PYR, SM FERR SCALE IP, TR FREE CALCITE, TR BRN SPOT STAIN, OCC DK BRN STAIN IP, FNT ODOR, SM HL FRAC POR, SM VUG POR, TR XLN POR, SM DULL PALE YEL FLOR, FR MLKY YEL CUT, FR YEL RES RING SH: DRK GY TO TR BLK, OCC LT GY TO GRNSH GY, MOD FRM, SM MOD SFT, VFN TXT, SM SLTY TXT, DULL TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC,

LS: CRM, TAN, SM LT BRN, OCC LT TAN, TR WHT, OCC TRNSL, MOD FRM TO FRM, TR VFRM, MSTLY MICRO XLN, SM VFN TO FN XLN, TR OCC SUC TXT, BLKY, CHNKY, PLTY, SM DOLO CMT, SM CRM TO LT TAN DOLOSTN THRU OUT, OCC CRIN, TR GLAUC, SCAT PYR INCLS, TR SID IP, TR PYR LAM, TR FREE CALCITE, TR BRN SPOT STAIN, NO ODOR, SM VUG POR, TR HL FRAC POR, MIN XLN POR, SM DULL YEL FLOR, PR TO WK MLKY YEL CUT, THIN TO FNT YEL RES RING SH: DRK GY TO SM BLK, INCRSNG LT GY TO GRNSH GY, MOD FRM, SM MOD SFT, VFN TXT, SM SLTY TXT, DULL TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC,

LS: CRM, TAN, SM LT BRN, OCC LT TAN, TR WHT, OCC TRNSL, MOD FRM TO FRM, TR VFRM, MSTLY MICRO XLN, SM VFN TO FN XLN, TR OCC SUC TXT, BLKY,



KD

KD

McCOY :: WHITAKER-SCHWAB 1H-8X 540

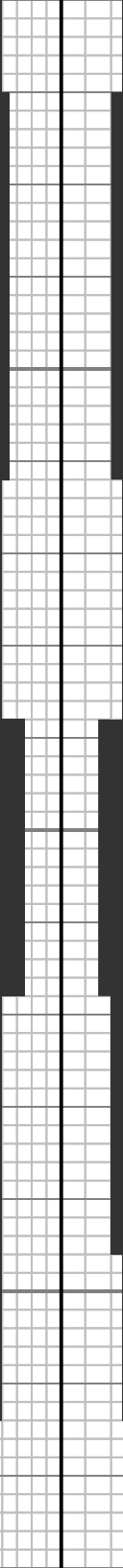
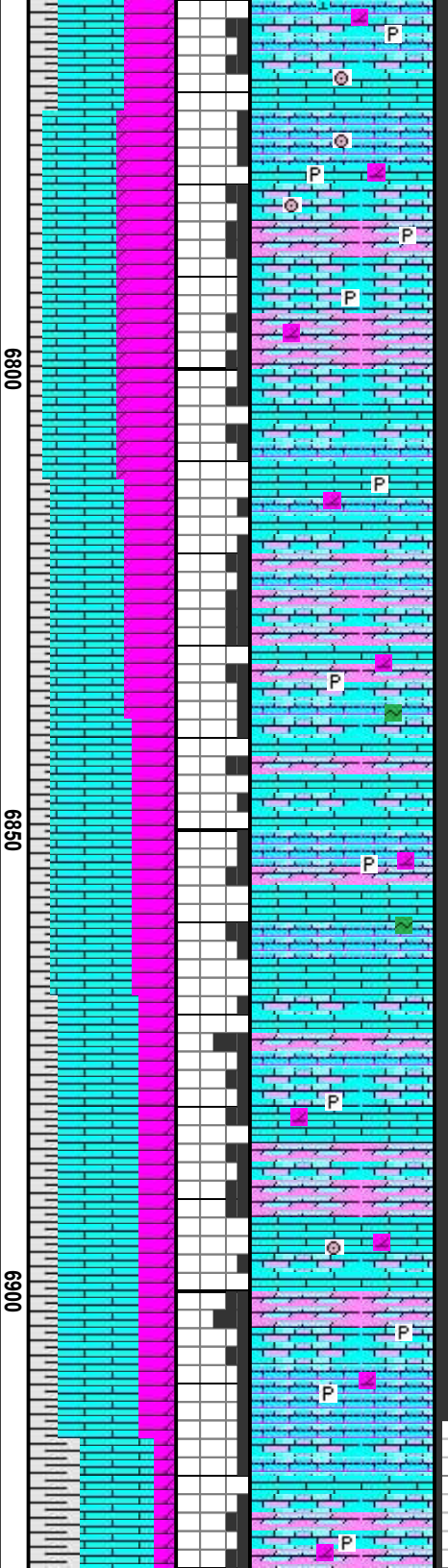
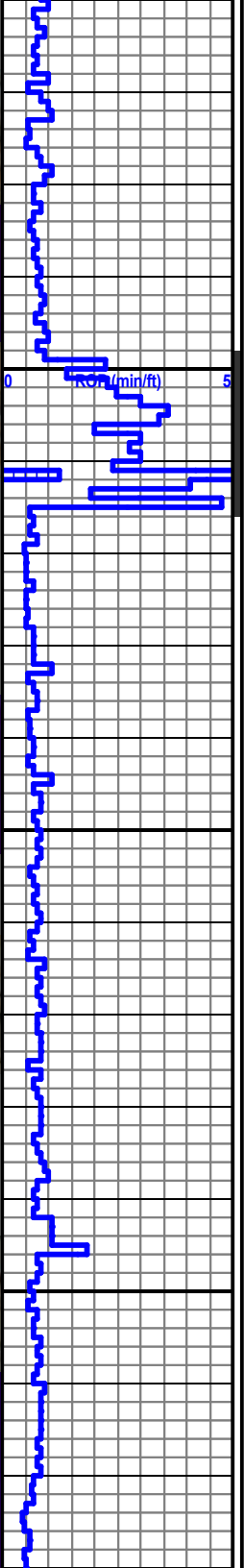
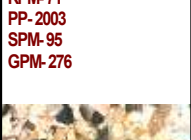
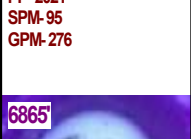
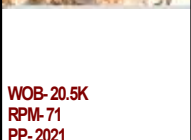
CONN GAS 477 UNITS

SWEEP GAS 653 UNITS

FM GAS 502 UNITS

WOB-19.7K  
RPM- 50  
PP- 1855  
SPM- 85  
GPM- 248

MD 6852 TVD 5286.88  
INC 89.75 AZ 5.31  
N 1717.9 E 67.45  
VS 1719.04

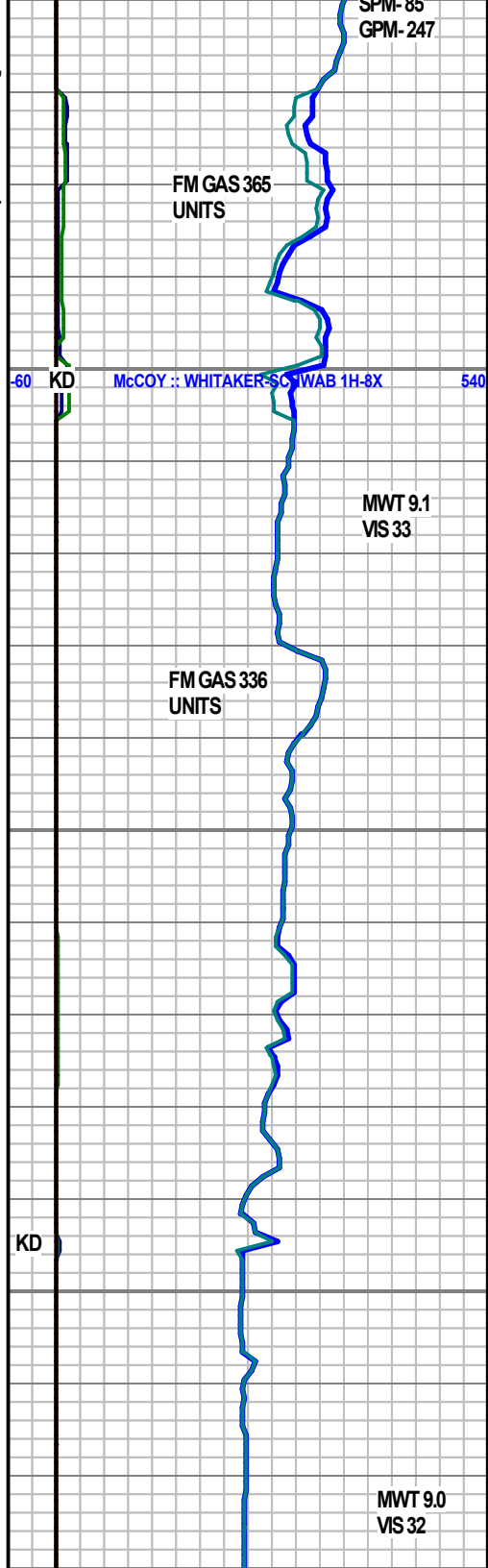


CHNKY, PLTY, SM DOLO CMT, SM CRM TO LT TAN  
DOLOSTN THRU OUT, OCC CRIN, TR GLAUC, SCAT  
PYR INCLS, TR SID IP, TR PYR LAM, TR FREE CALCITE,  
TR BRN SPOT STAIN, NO ODOR, SM VUG POR, TR HL  
FRAC POR, MIN XLN POR, SM DULL YEL FLOR, PR TO  
WK MLKY YEL CUT, THIN TO FNT YEL RESRING SH:  
DRK GY TO SM BLK, INCRSNG LT GY TO GRNSH GY,  
MOD FRM, SM MOD SFT, V/FN TXT, SM SLTY TXT, DULL  
TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC,

LS: CRM, TAN, SM LT BRN, OCC LT TAN, TR WHT, OCC  
TRNSL, MOD FRM TO FRM, TR V/FRM, MSTLY MICRO  
XLN, SM V/FN TO FN XLN, TR OCC SUC TXT, BLKY,  
CHNKY, PLTY, SM DOLO CMT, SM CRM TO LT TAN  
DOLOSTN THRU OUT, TR GLAUC, SCAT PYR INCLS,  
TR SID IP, TR PYR LAM, TR FREE CALCITE, TR BRN  
SPOT STAIN, NO ODOR, SM VUG POR, TR HL FRAC  
POR, MIN XLN POR, SCAT PALE YEL FLOR, FR MLKY  
WHT CUT, FR YEL RES RING SH: DRK GY TO TR BLK,  
OCC LT GY TO GRNSH GY, MOD FRM, SM MOD SFT,  
V/FN TXT, SM SLTY TXT, DULL TO ERTHY LSTR,  
CHNKY, SM PLTY, OCC PYR INC,

LS: CRM, TAN, SM LT BRN, OCC LT TAN, TR WHT, OCC  
TRNSL, MOD FRM TO FRM, TR V/FRM, MSTLY MICRO  
XLN, SM V/FN TO FN XLN, TR OCC SUC TXT, BLKY,  
CHNKY, PLTY, SM DOLO CMT, SM CRM TO LT TAN  
DOLOSTN THRU OUT, TR GLAUC, SCAT PYR INCLS,  
TR SID IP, TR PYR LAM, TR FREE CALCITE, TR BRN  
SPOT STAIN, NO ODOR, SM VUG POR, TR HL FRAC  
POR, MIN XLN POR, SCAT PALE YEL FLOR, FR MLKY  
WHT CUT, FR YEL RES RING SH: DRK GY TO TR BLK,  
OCC LT GY TO GRNSH GY, MOD FRM, SM MOD SFT,  
V/FN TXT, SM SLTY TXT, DULL TO ERTHY LSTR,  
CHNKY, SM PLTY, OCC PYR INC,

LS: LT TAN, CRM, SCAT DK CRM, SCAT OFF WHT,  
OCC TAN, TR BRN TO LT BRN MOTT, MOD FRM, TR  
FRM, BRTL, MSTLY V/FN TO SM FN XLN, SCAT MICRO  
XLN, TR SUC TXT, PLTY, TR BLKY, TR CHNKY, SM  
BRKN, OCC ARG, SM DOLC CMT, SCAT INTRBD  
DOLO, OCC LAM DOLO, TR BRN OIL STAIN, SCAT



6950'

MD 6946 TVD 5286.63  
INC 90.55 AZ 5.9  
N 1904.99 E 85.85  
VS 1906.53

WOB- 20.4K  
RPM- 68  
PP- 1943  
SPM- 96  
GPM- 278

6980'

7012'

ROP (min/ft)

7040'

MD 7041 TVD 5285.46  
INC 90.86 AZ 6.08  
N 1999.47 E 95.76  
VS 2001.22

WOB- 18.8K  
RPM- 71  
PP- 2015  
SPM- 96  
GPM- 279

7090'

7090'

6950

7000

7050

71

CRIN FRAGS, SM BRN SPOT STAIN IP, NO ODOR, SM VUG POR, TR MOLDC POR, TR XLN POR, TR LAM SH: LT GY TO GY, OCC GRNSH/GY, MOD FRM, BRTL, VFN TO SMTH TXT, DULL LSTR, NON CALC, OCC PYR INC., TR SLTY IP, OCC SLTST, OCC GLAUC, SCAT DULL YEL FLOR, TR YEL FLOR, PR MLKY BLU CUT, FR WHT RES RING

LS: CRM, LT CRM, SCAT DK CRM, TR TO SCAT OFF WHT, OCC TAN, OCC BRN TO LT BRN MOTT, MOD FRM, TR FRM, BRTL, SM V/FN TO FN XLN, SM MICRO XLN, TR SUC TXT, PLTY, TR BLKY, TR CHNKY, TR TO OCC ARG, SM DOLC CMT, SCAT INTRBD DOLO, TR LAM DOLO, BRN OIL STAIN, OCC BLU/GY SHRP ANG CHRT, TR GLAUC, TR CRIN FRAGS, NO ODOR, TR VUG POR, SM MOLDC POR, TR XLN POR, TR LAM SH: LT GY TO GY, OCC GRNSH/GY, MOD FRM, BRTL, VFN TO SMTH TXT, DULL LSTR, NON CALC, OCC PYR INC., TR SLTY IP, OCC SLTST W/TR AREN, OCC GLAUC, SCAT YEL FLOR, PR SLO STRMNG YEL CUT, FR WHT RES RING

LS: CRM, SCAT DK CRM, OCC LT TAN, TR OFF WHT, OCC TRNSL, MOD FRM TO FRM, TR V/FRM, MSTLY MICRO XLN, SM V/FN TO FN XLN, TR OCC SUC TXT, BLKY, CHNKY, PLTY, SM DOLO CMT, SM CRM TO LT TAN DOLOSTN THRU OUT, TR GLAUC, SCAT PYR INCLS, TR SID IP, TR PYR LAM, TR FREE CALCITE, TR BRN SPOT STAIN, NO ODOR, SM VUG POR, TR HL FRAC POR, MIN XLN POR, TR LAM SH: DRK GY TO TR BLK, OCC LT GY TO GRNSH GY, MOD FRM, SM MOD SFT, VFN TXT, SM SLTY TXT, DULL TO ERTHY LSTR, CHNKY, SM PLTY, OCC PYR INC, SCAT YEL FLOR, PR SLO STRMNG YEL CUT, WK WHT RES RING

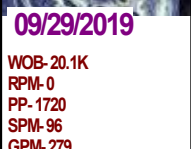
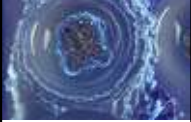
KD

-60

McCOY :: WHITAKER-SCHWAB 1H-8X

540

KD



7138'

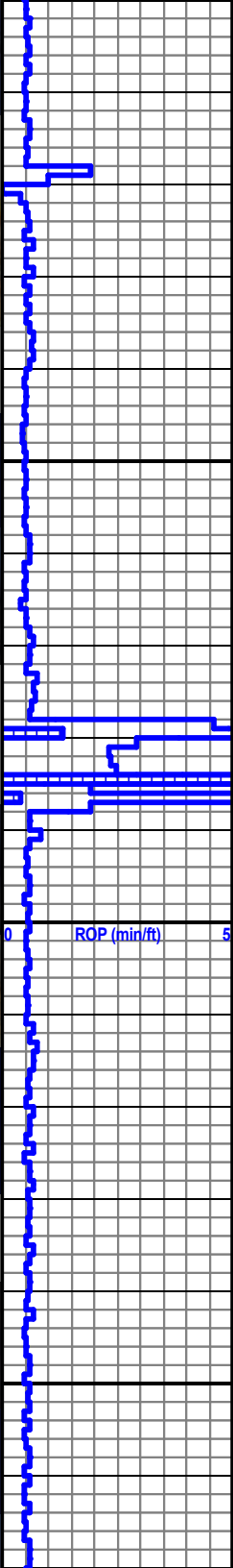
MD 7135 TVD 5283.38  
INC 91.67 AZ 6.22  
N 2092.9 E 105.83  
VS 2094.87

09/29/2019

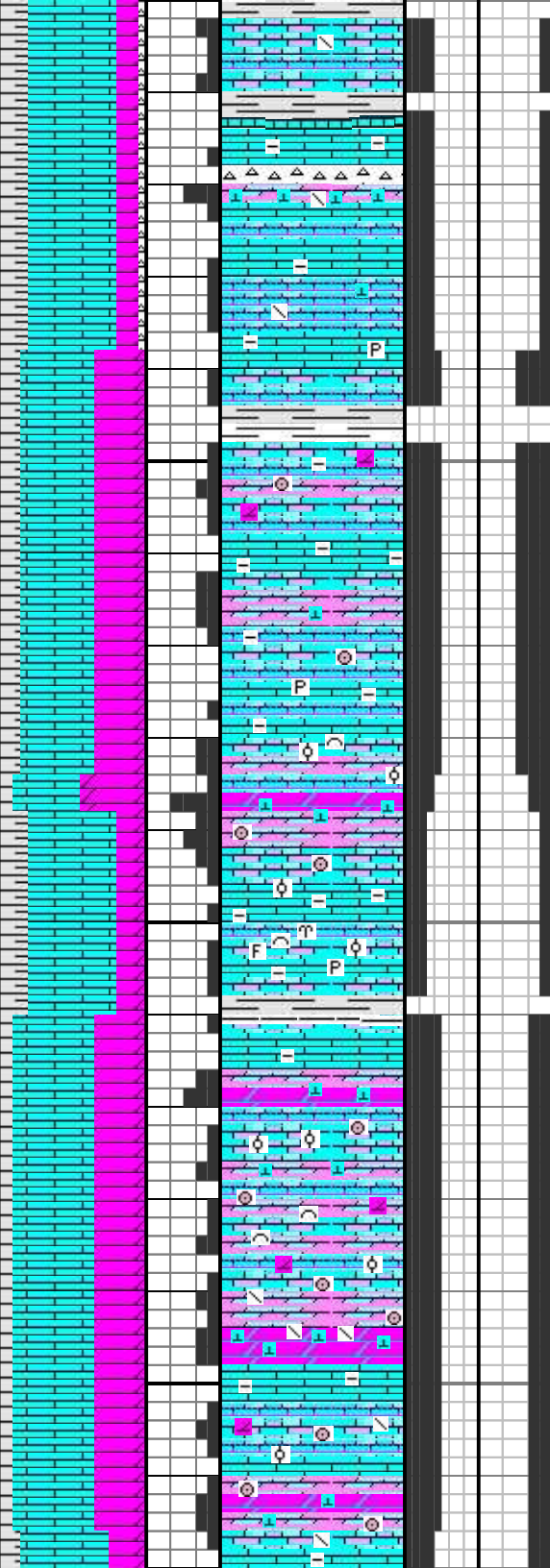
WOB- 20.1K  
RPM- 0  
PP- 1720  
SPM- 96  
GPM- 279

7229'

MD 7229 TVD 5281.49  
INC 90.65 AZ 5.95  
N 2186.35 E 115.79  
VS 2188.54



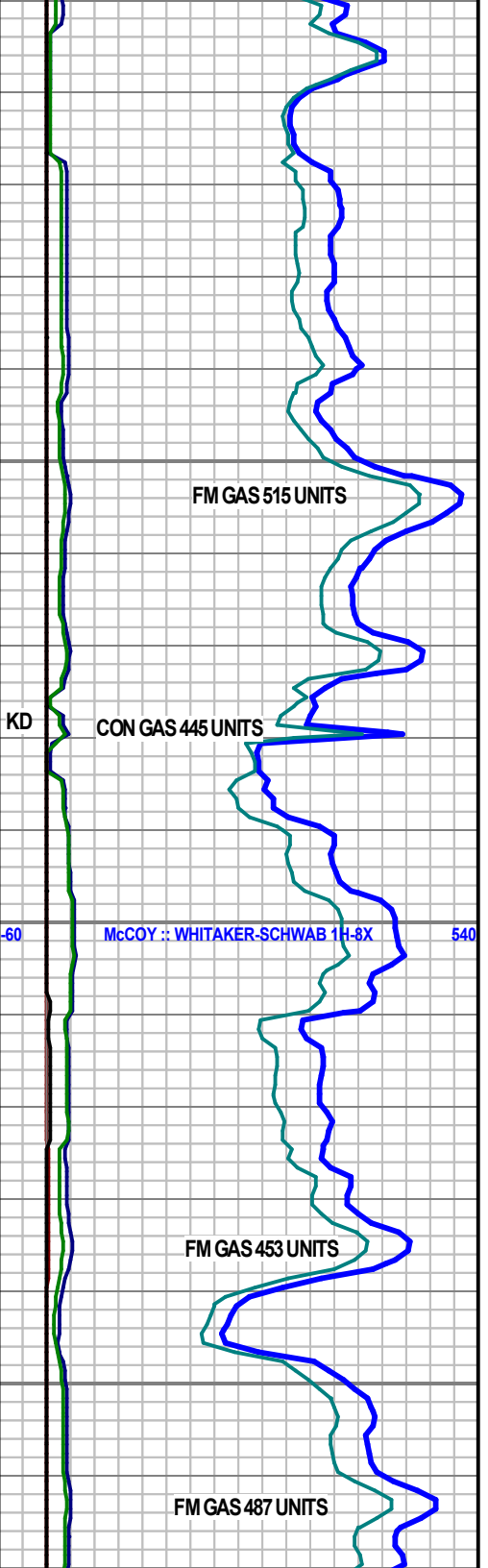
7000  
7150  
7200  
7250



LS: CRM TO DK CRM, TR BUFF, SCAT LT CRM, TR OFF WHT, OCC LT TAN, FRM, SCAT MOD FRM, BRTL, MICRO XLN, INCRSING V/FN XLN, TR V/FN SUC TXT, PLTY, SCAT BLKY, OCC CHNKY, TR ARG, SM DOLC CMT, TR INTRBD DOLO, OCC LRG EUHED DRSY CALCITE, TR TO SCAT OPQ TO TANSH SHRP ANG CHRT, OCC GIL, OCC DK BRN HVY OIL SPOT STAIN, NO ODOR, TR VUG POR, TR XLN POR, SCAT HAIRLINE FRAC, TR LAM SH: LT TO VLT GY, TR GY, TR DK GY TO BLK, MOD FRM, BRTL, SMTH TXT, OCC V/FN TXT, DULL LSTR, PLTY, TR BLKY, NON CALC, OCC MICRO MICA, SCAT DUL YEL FLOR, FAINT SLO STRMNG BLUWHT CUT, WK SPTTY STRW RES RING

LS: CRM TO SM DK CRM, SCAT LT CRM, TR BRN TO OCC DK BRN MOTT, TR TAN, TR TO OCC OFF WHT, MOD FRM, SCAT FRM, SCAT CRMBLY, SM BRTL, V/FN XLN, TR FN XLN, TR MICRO XLN, OCC SUC TXT, CHNKY, SM PLTY, OCC BLKY, SCAT ARG, SM DOLO CMT, SCAT TO SM INTRBD DOLO, OCC ANHED CALCITE FL, OCC MIN PYR INC., SCAT BIOCLST WWOOLT /BRYZOA, TR CRIN FRAGS, SM DK TAN TO BRN SPOT STAIN, TR DK BRN/BLK HVY FREE OIL SPOTS, V/WK ODOR, SCAT MOLDC POR, TR XLN POR, OCC PP POR, TR LAM SH: LT GY TO SM VLT GY, TR DK GY, SCAT GY, OCC V/PALE GRNSH/GY, V/FN TO SMTH TXT, SCAT V/DULL YEL TO YEL FLOR, TR FR SLO STRMNG STRW CUT, FR LRG HVY YEL RES RING

LS: VLT CRM TO SM OFF WHT, SCAT CRM, OCC DK CRM, OCC WHT, TR OPQ TO TRNSL, OCC VLT TAN MOTT, MOD FRM, TR FRM, SM BRTL, SM CRMBLY, FN TO V/FN XLN, TR MICRO XLN, TR FN SUC TXT, CHNKY, SM PLTY, OCC BLKY, SCAT TO SM ARG, SM DOLO CMT, SM TO DECRSING INTRBD DOLO, SCAT TO TR MED TO LRG EUHED DRSY CALCITE, OCC PLTY CALCITE FL W/TR OCCLD FRAC, OCC MED IMBDD DOLO RHOMBS, SCAT CRIN FRAGS, SCAT OOLTC, TR BIOCLST W/OCC BRYZOA, TR TAN TO BRN SPOT STAIN, TR ASPHLTC STRKS, NO ODOR, SM MOLDC POR, TR TO SCAT VUG TO PP POR, TR FN TO HAIRLINE FRAC, TR TO OCC LAM SH: GY TO LT GY, TR DK GY, OCC V/PALE GRNSH/GY, MOD FRM, BRTL, SMTH TXT, DULL LSTR, PLTY, OCC FLKY, NON CALC, OCC SLTY IP, OCC MICRO MICA, SCAT DULL YEL FLOR, OCC DULL STRW FLOR, WK TO OCC MOD FR



KD

-60

McCOY :: WHITAKER-SCHWAB 1H-8X

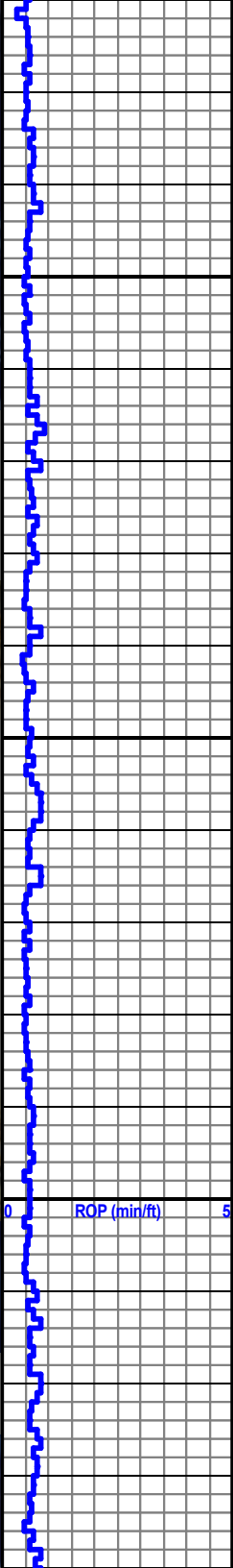
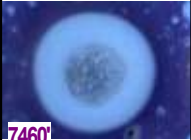
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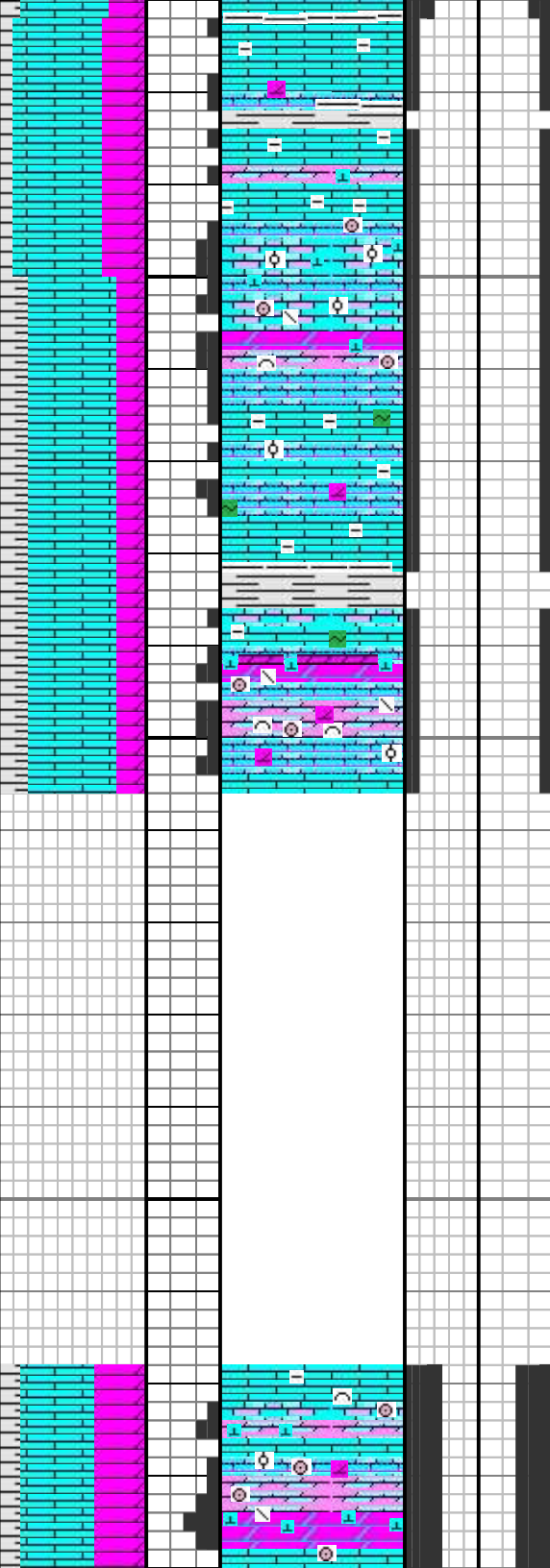
RPM- 70  
 PP- 2000  
 SPM- 94  
 GPM- 274  
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 N 2279.87 E 125.2  
 VS 2282.26



MD 7416 TVD 5279.35  
 INC 90.74 AZ 6.33  
 N 2372.37 E 134.82  
 VS 2374.97



7300  
7350  
7400



FLOOR, OCC DULL STRW FLOR, WK TO OCC MOD FR SLO STRMNG BLU/WHT CUT, MOD FR LRG HVY YEL RES RING

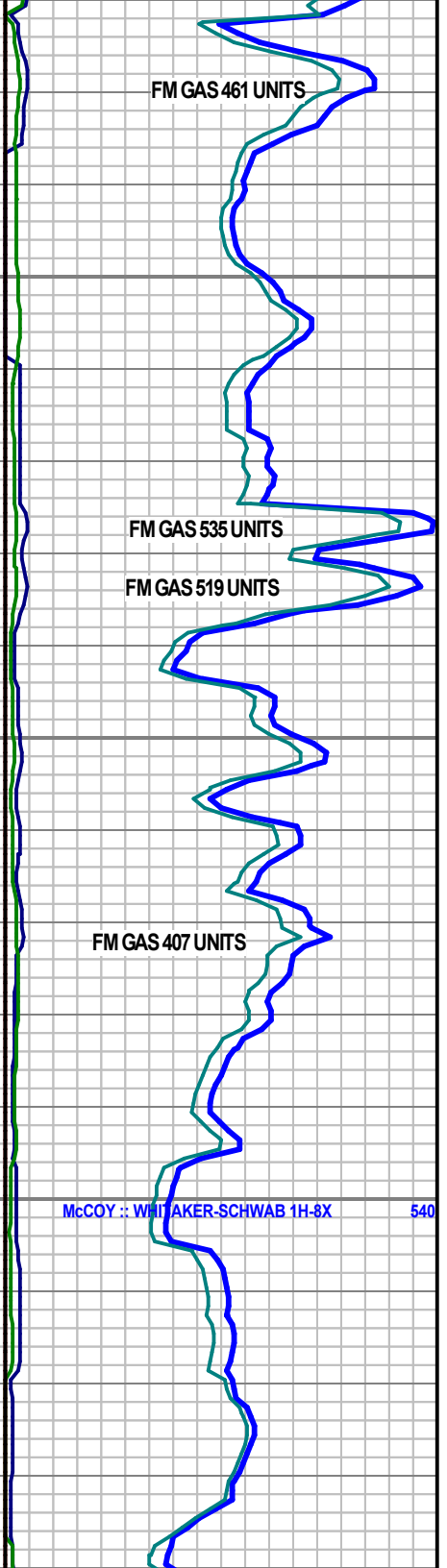
LS: CRM, SM DK CRM, DECRSNG LT CRM TO OFF WHT, OCC TAN, SCAT TO TR BRN TO DK BRN MOTT, MOD FRM, SCAT CRMBLY, MSTLY FN XLN, SM V/FN XLN, TR MICRO XLN, OCC SUC TXT, CHNKY, SCAT PLTY, OCC BLKY, SM ARG, DECRSE DOLO CMT, SCAT INTRBD DOLO, OCC ANHED CALCITE FL, TR FN IMBDD DOLO RHOMBS, TR GLAUC, SM CRIN FRAGS, SCAT BIOCLST W/FN XLN SUC DOLC MTX, SCAT DK BRN HVY OIL TO ASPHLC SPOT STAIN, NO ODOR, SM MOLDC POR, SCAT XLN POR, OCC HAIRLINE FRAC, SCAT LAM SH: DK GY, SM GY, TR LT GY, OCC V/DK GY, PLTY, V/FN TXT, TR SMTH TXT, MSTLY DULL LSTR, PLTY, TR TAB, OCC SPLTRY, FISS, NON CALC, OCC SLI CARB, TR DULL YEL TO SCAT V/DULL DKYEL FLOR, FAINT SLO STRMNG BLU/WHT CUT, WK THN SPTTY STRW RES RING

NO SAMPLES CAUGHT

NO SAMPLES CAUGHT

LS: VLT CRM TO SM OFF WHT, SCAT VLT GY TO GYSH/TAN, SCAT LT TAN, TR DK BRN TO BRN MOTT, MOD FRM, SM FRM, BRTL, SM CRMBLY, FN TO V/FN XLN, OCC MICRO XLN, SM SLI SUC TXT, CHNKY, SCAT PLTY, OCC FLKY, TR ARG, SM DOLO CMT, SM INTRBD DOLO, TR V/FN IMBDD DOLO RHOMBS, OCC LRG EUHED DRYSY CALCITE, SM CRIN FRAGS W/TR LRG, SCAT OOL TC. TR BIOCLST. SM TO SCAT BRN TO DK

KD  
KD  
-60





7480'

7480'

7538'

MD 7511 TVD 5277.23  
INC 91.82 AZ 7.84  
N 2466.61 E 146.53  
VS 2469.47

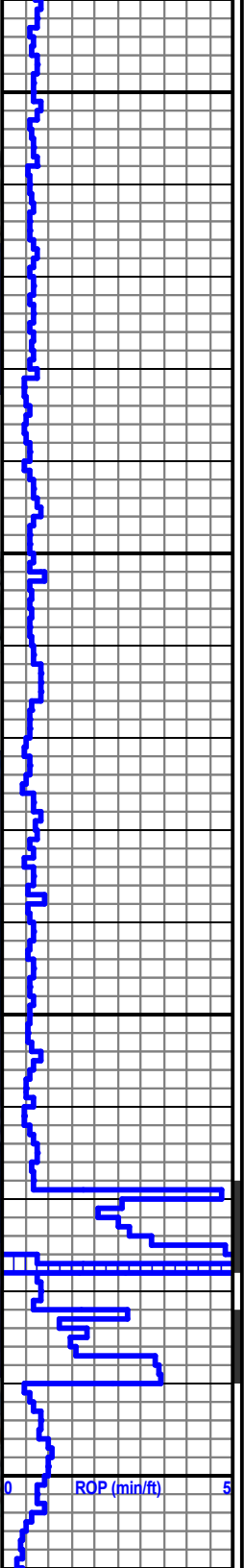
7538'

7578'

7586'

7586'

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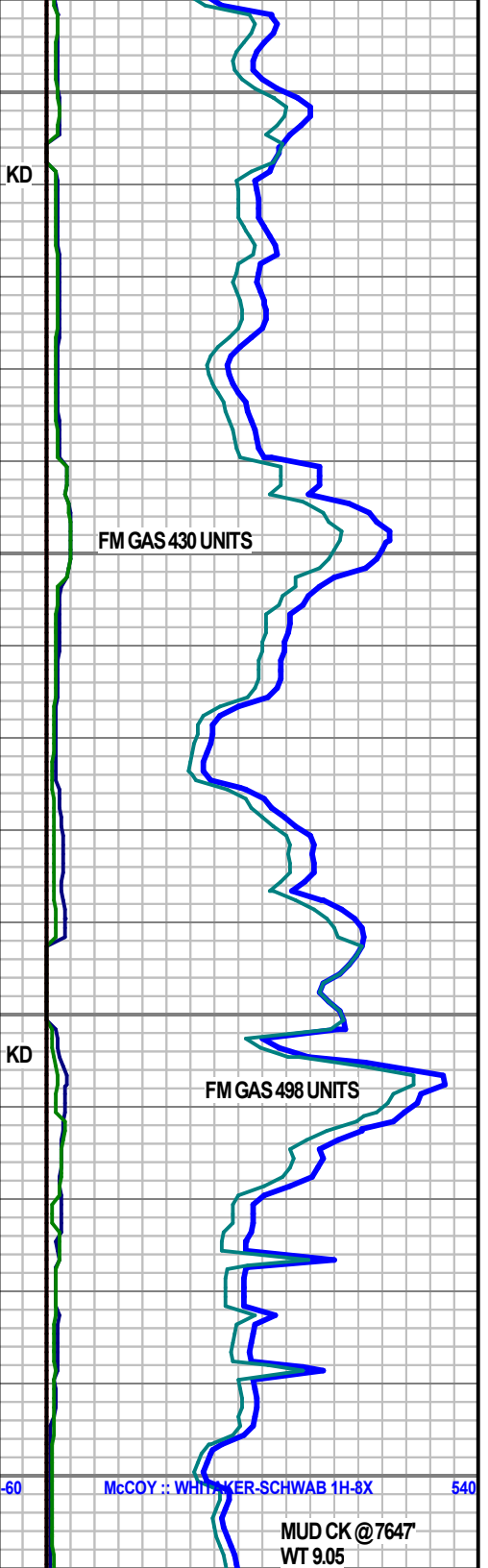
7450  
7500  
7550  
7600



BRN SPOT STAIN, NO ODOR, SM MOLDC POR, SCAT TO TR XLN POR, OCC VUG POR, SCAT LAM SH: GY TO DK GY, TR LT GY, TR GRNSH/GY, OCC V/DK GY, MOD FRM, TR MOD SFT, V/FN TO SLTY TXT, TR SMTH TXT, DULL LSTR, NON CALC, OCC SLTST W/TR STAIN, SCAT DULL DK YEL FLOR, OCC DULL YEL FLOR, SLO FR STRMNG STRWWHT CUT, FR TO WK SPTTY STRW RES RING

LS: OFF WHT, SCAT LT TO VLT CRM, TR LT TAN, SCAT CRM, TR DK CRM, TR LT GY TO GYSH, MOD FRM, SM CRMBLY, V/FN XLN, INCRSE MICRO XLN, TR SLI SUC TXT, CHNKY/PLTY, TR BLKY, SM ARG, TR MRLY IP, DECRSE DOLC CMT, SCAT INTRBD DOLO, TR ANHED CALCITE FL, OCC GLAUC, OCC MIN PYR INC., DECRSING CRIN FRAGS, SCAT BIOCLST WBRYZOA / OOLT, SCAT DK BRN TO BRN SPOT STAIN, TR ASPHTLC STRKS, NO ODOR, SCAT MOLDC POR, SCAT PP POR, OCC XLN POR, OCC HAIRLINE FRAC, SCAT LAM SH: GY TO DK GY, TR LT GY, TR GRNSH/GY, OCC V/DK GY, MOD FRM, TR MOD SFT, V/FN TO SLTY TXT, TR SMTH TXT, DULL LSTR, NON CALC, OCC SLTST W/TR STAIN, SCAT V/DULL DK YEL FLOR, OCC YEL FLOR, WK TO OCC VMWK MLKY BLU/WHT CUT W/10% HCL, WK SPTTY RES RING

LS: LT TO VLT CRM, SCAT TO SM OFF WHT, SCAT LT GY TO GY MOTT, TR DK CRM, OCC TANSH MOTT, OCC WHT, FRM TO SM MOD FRM, MSTLY BRTL, MICRO XLN, DECRSING FN TO V/FN XLN, PLTY, SCAT CHNKY, TR BLKY, OCC FLKY, SMARG, SCAT DOLO CMT, DECRSING INTRBD DOLO, OCC ANHED CALCITE FL, TR MIN PYR INC., TR OPQ TO DK TAN/BRN SHRP ANG CHRT W/OCC PYR INC., OCC FN U TO MED L SUB RND QRTZ GRNS, OCC GLAUC, TR CRIN FRAGS, TR OOLT, TR DK SPOT STAIN, SCAT ASPHLT W/SCAT STRKS, NO ODOR, BECOMNG TT, SCAT TO TR MOLDC POR, TR FN TO HAIRLINE FRAC, SCAT THN BDD /LAM SH: GY, SM LT GY, SCAT V/PALE GRN, TR DK GY TO BLK, MOD FRM, BRTL, SMTH TXT, SM V/FN TXT, DULL LSTR, PLTY, TR BLKY, OCC TAB, NON CALC, TR SLTY IP, OCC CARB, OCC PYR INC., TR MICRO MICA, SCAT TO TR DULL YEL TO DK YEL FLOR, TR FR MLKY STRWWHT CUT W/10% HCL, WK TO OCC MOD FR SPTTY PALE YEL RES RING



FM GAS 430 UNITS

FM GAS 498 UNITS

-60 MccOY : WHITEKER-SCHWAB 1H-8X 540

MUD CK @ 7647  
WT 9.05



N 2558.72 E 159.2  
VS 2561.86



7616'



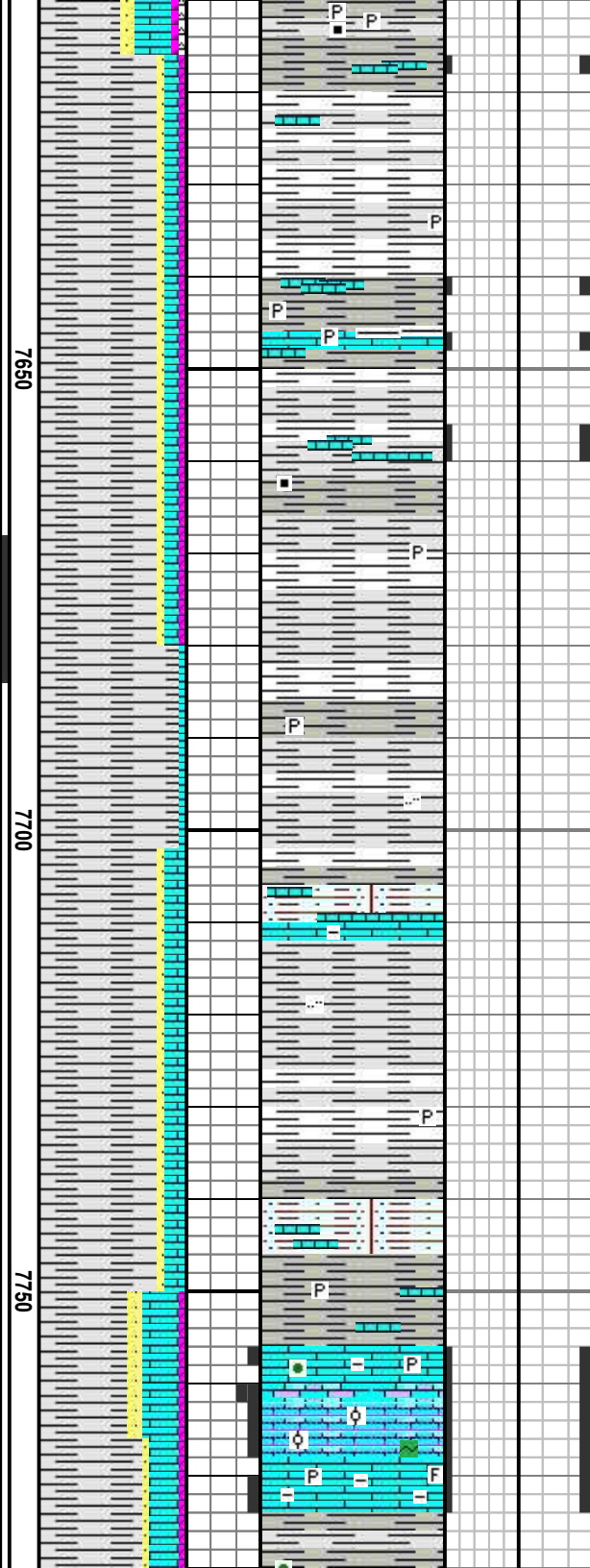
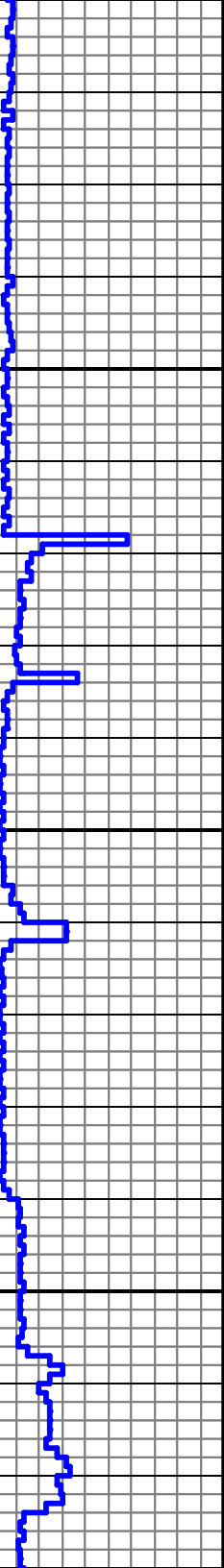
7680'

WOB-19.8K  
RPM-72  
PP-2015  
SPM-96  
GPM-280

MD 7698 TVD 5274.77  
INC 89.11 AZ 7.24  
N 2651.9 E 171.52  
VS 2655.32



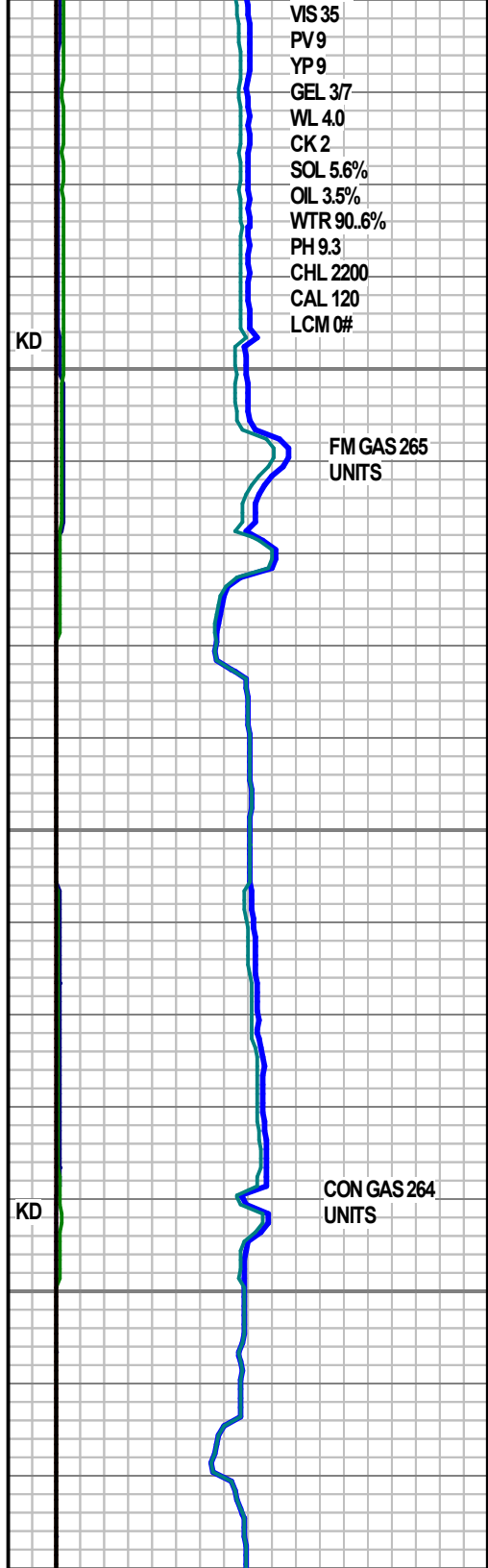
7770'



SH: GY TO SCAT LT GY, TR VLT GY, SCAT PALE TO V/PALE GRN, SCAT GRNSH/GY, TR DK GY, MOD SFT, OCC MOD FRM, MSTLY BRTL, SMTH TO V/FN TXT, TR SLTY TXT, DULL LSTR, PLTY, TR FLKY, TR TAB, SCAT FISS, NON CALC, SCAT SLTY IP, TR MIN PYR INC., OCC PYRC, OCC SLI CARB, OCC THN BDD LS: LT TO VLT CRM, SCAT TO SM OFF WHT, SCAT LT GY TO GY MOTT, TR DK CRM, OCC TANSH MOTT, OCC WHT, FRM TO SM MOD FRM, MSTLY BRTL, MICRO XLN, OCC FN TO V/FN XLN, PLTY, SCAT CHNKY, TR BLKY, OCC FLKY, SM ARG, SCAT DOLO CMT, TR PYR INC., OCC FOSS FRAGS, TR SPOT STIAN, NO ODOR, OCC MOLDC POR, SCAT FN TO HAIRLINE FRAC, OCC DULL TO V/DULL YEL FLOR, V/WK MLKY BLU/WHT CUT W/10% HCL,

SH: GY TO SCAT LT GY, TR VLT GY, SCAT PALE TO V/PALE GRN, SCAT GRNSH/GY, TR DK GY, MOD SFT, OCC MOD FRM, MSTLY BRTL, SMTH TO V/FN TXT, TR SLTY TXT, DULL LSTR, PLTY, TR FLKY, TR TAB, SCAT FISS, NON CALC, SCAT SLTY IP, TR MIN PYR INC., OCC PYRC, OCC SLI CARB, OCC THN BDD LS: LT TO VLT CRM, SCAT TO SM OFF WHT, SCAT LT GY TO GY MOTT, TR DK CRM, OCC TANSH MOTT, OCC WHT, FRM TO SM MOD FRM, MSTLY BRTL, MICRO XLN, OCC FN TO V/FN XLN, PLTY, SCAT CHNKY, TR BLKY, OCC FLKY, SM ARG, SCAT DOLO CMT, TR PYR INC., OCC FOSS FRAGS, TR SPOT STIAN, NO ODOR, OCC MOLDC POR, SCAT FN TO HAIRLINE FRAC,

LS: CRM TO DK CRM, TR BUFF, OCC LT CRM, TR OFF WHT, MOD FRM, MSTLY BRTL, V/FN TO MICRO XLN, OCC SLI SUC TXT, PLTY, OCC CHNKY, SM ARG, TR DOLO CMT, OCC GLAUC, OCC FN L TO MED U SUB RND TRNSP QRTZ GRNS, TR PYR INC., OCC OOLTC, OCC FOSS DEBRIS, OCC LT SPOT STAIN, NO ODOR, TR FRAC POR, OCC MOLDC POR, OCC DULL TO YEL FLOR, V/WK MLKY BLU/WHT CUT W/10% HCL, FNT THIN WHT RESRNG



VIS 35  
PV 9  
YP 9  
GEL 3/7  
WL 4.0  
CK 2  
SOL 5.6%  
OIL 3.5%  
WTR 90.6%  
PH 9.3  
CHL 2200  
CAL 120  
LCM 0#

FM GAS 265 UNITS

CON GAS 264 UNITS

MD 7792 TVD 5274.34  
INC 91.42 AZ 11.69  
N 2744.59 E 186.97  
VS 2748.36

7830'

7878'

MD 7885 TVD 5273.31  
INC 89.85 AZ 9.03  
N 2836.06 E 203.69  
VS 2840.21

7908'

7935'

MD 7945 TVD 5274.75  
INC 87.41 AZ 6.32

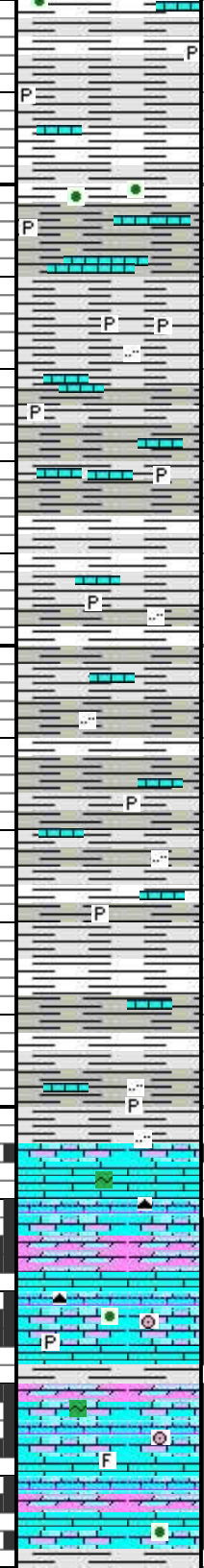
ROP (mir/ft)

7800

7850

7900

79



SH: GY TO SCAT LT GY, TR VLT GY, SCAT PALE TO V/PALE GRN, SCAT GRNSH/GY, SM MOD SFT, SM MOD FRM, MSTLY BRTL, SMTH TO V/FN TXT, TR SLTY TXT, DULL LSTR, PLTY, TR FLKY, TR TAB, SCAT FISS, NON CALC, SCAT SLTY IP, TR MIN PYR INC., OCC PYRC, OCC SLI CARB, OCC THN BDD LS: LT TO VLT CRM, SCAT TO SM OFF WHT, SCAT LT GY TO GY MOTT, TR DK CRM, OCC TANSH MOTT, OCC WHT, MOD FRM, MSTLY BRTL, MICRO XLN, SCAT V/FN XLN, PLTY, SCAT CHNKY, TR BLKY, OCC FLKY, SM ARG, SCAT DOLO CMT, TR PYR INC., OCC GLAUC, OCC FOSS FRAGS, TR SPOT STIAN, NO ODOR, OCC MOLDC POR, SCAT FN TO HAIRLINE FRAC, NO CUT, NO RES RNG

SH: GY TO SCAT LT GY, TR VLT GY, SCAT PALE TO V/PALE GRN, SCAT GRNSH/GY, TR DK GY, MOD SFT, OCC MOD FRM, MSTLY BRTL, SMTH TO V/FN TXT, TR SLTY TXT, DULL LSTR, PLTY, TR FLKY, TR TAB, SCAT FISS, NON CALC, SCAT SLTY IP, TR MIN PYR INC., OCC PYRC, OCC SLI CARB, OCC THN BDD LS: LT TO VLT CRM, SCAT TO SM OFF WHT, SCAT LT GY TO GY MOTT, TR DK CRM, OCC TANSH MOTT, OCC WHT, FRM TO SM MOD FRM, MSTLY BRTL, MICRO XLN, OCC FN TO V/FN XLN, PLTY, SCAT CHNKY, TR BLKY, OCC FLKY, SM ARG, SCAT DOLO CMT, TR PYR INC., OCC FOSS FRAGS, TR SPOT STIAN, NO ODOR, OCC MOLDC POR, SCAT FN TO HAIRLINE FRAC,

LS: CRM, LT TAN, SM OFF WHT, SCAT LT GY TO GY MOTT, TR DK TAN, SCAT TANSH/BRN MOTT, OCC WHT, FRM TO SM MOD FRM, MSTLY BRTL, MICRO XLN, SM FN TO V/FN XLN, PLTY, CHNKY, BLKY, TR ARG, SCAT DOLO CMT, SM INTRBD DOLO IP, TR PYR INC., TR OPQ TO DK BRN SHRP ANG CHRT, OCC FN SUB RND QRTZ GRNS, OCC GLAUC, TR CRIN FRAGS, TR BRN SPOT STAIN, SCAT ASPHLT W/SCAT STRKS, NO ODOR, TT, SCAT MOLDC POR, TR HAIRLINE FRAC, SCAT LAM SH: GY, SM LT GY, SCAT LT GRN, TR DK GY TO BLK, MOD FRM, BRTL, SMTH TXT, SM V/FN TXT, DULL LSTR, PLTY, TR BLKY, OCC TAB, NON CALC, TR SLTY IP, OCC CARB, OCC PYR INC., SCAT YEL TO SM DK YEL FLOR, IM FR MLKY STRWWHT CUT, WK THIN SPTTY PALE YEL RES RING

-60

KD

KD

McCOY :: WHITAKER-SCHWAB 1H-8X

540

CON GAS 254 UNITS

MWT 9.1  
VS 35

WOB- 16.3K  
RPM- 70  
PP- 2235  
SPM- 96  
GPM- 280

N 2895.49 E 211.7  
VS 2899.83

7950'

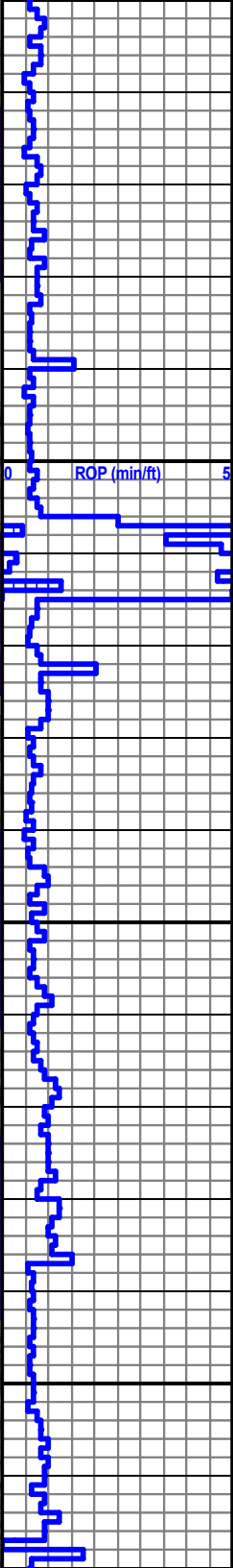
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INC 86.98 AZ 5.9  
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VS 2934.62

8010'

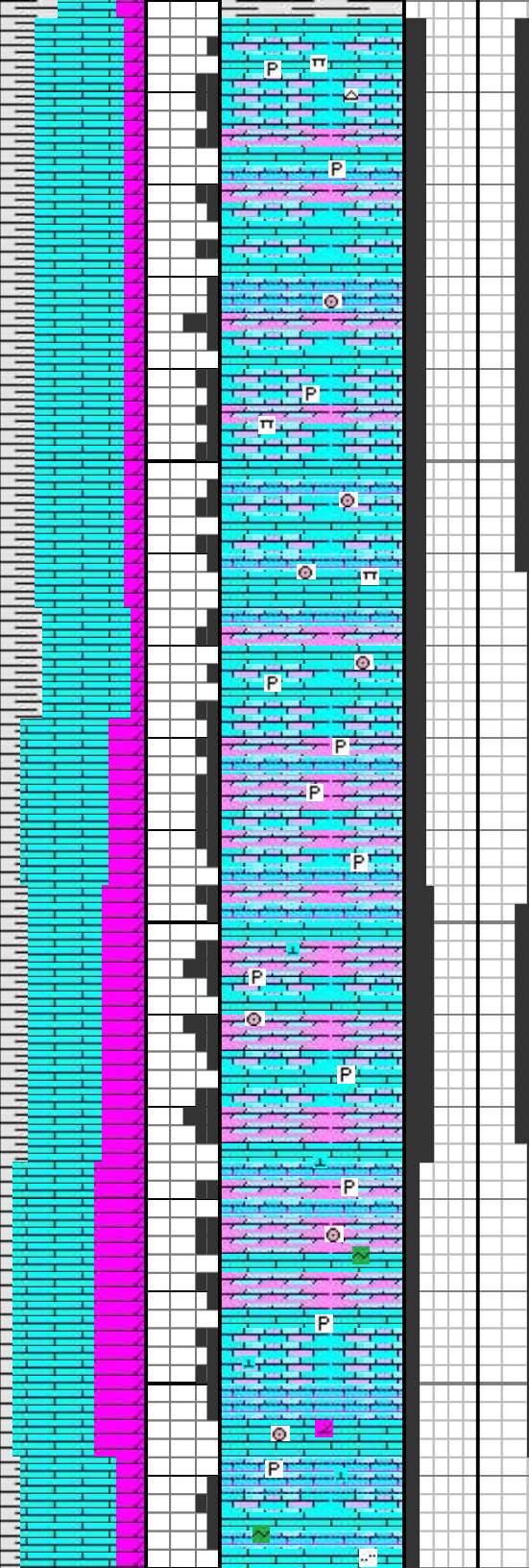
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8075'

8105'



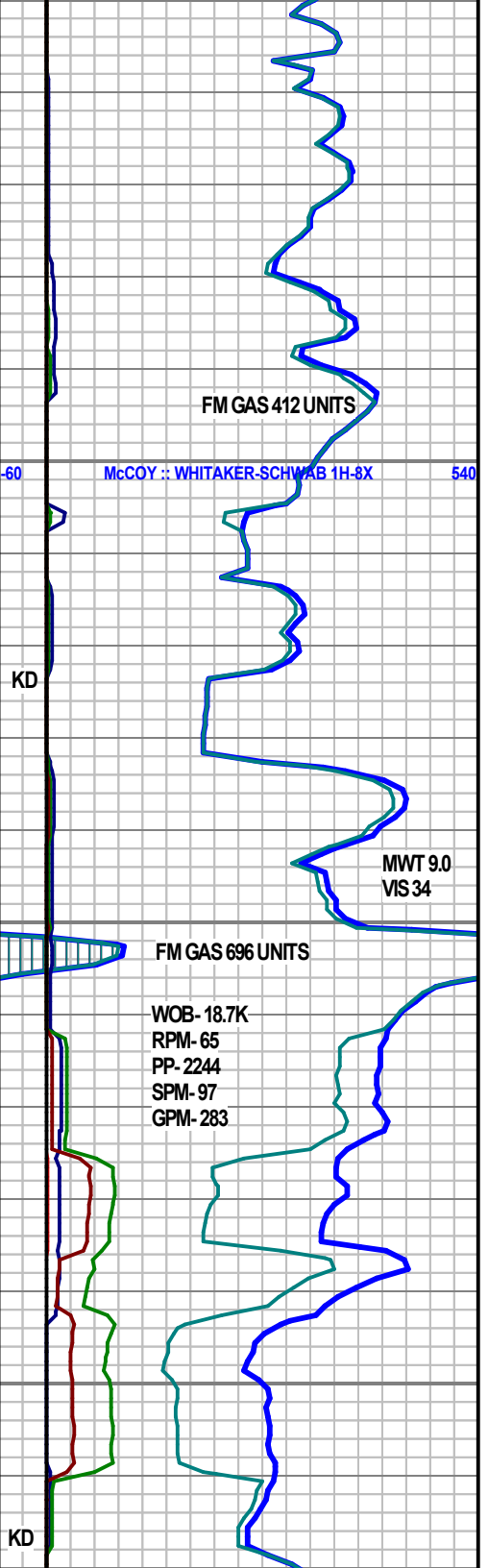
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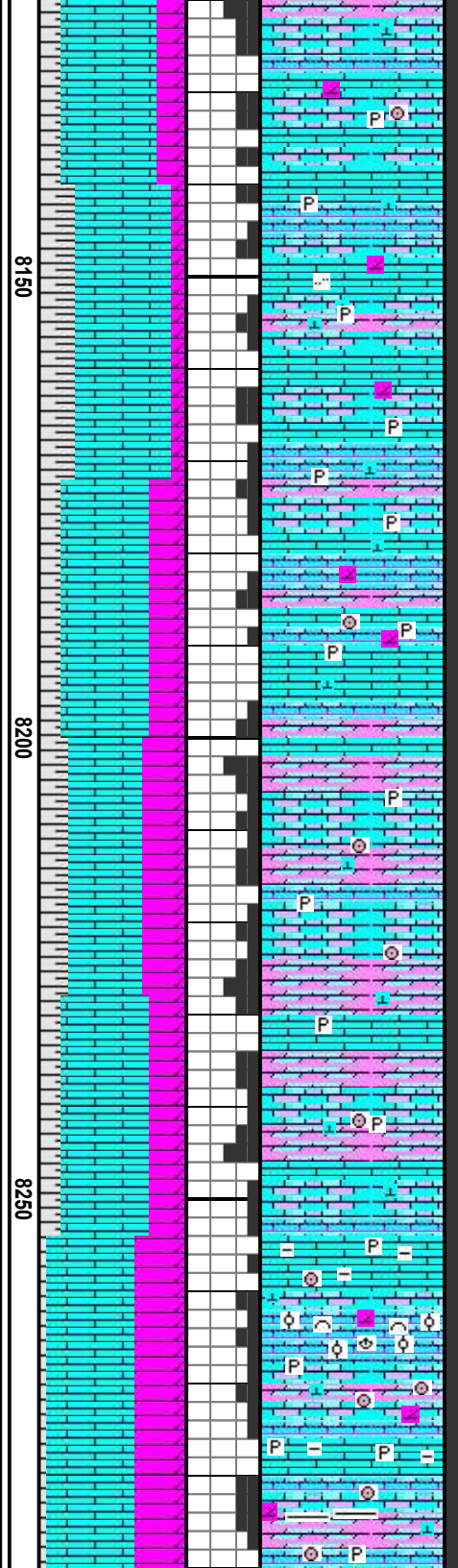
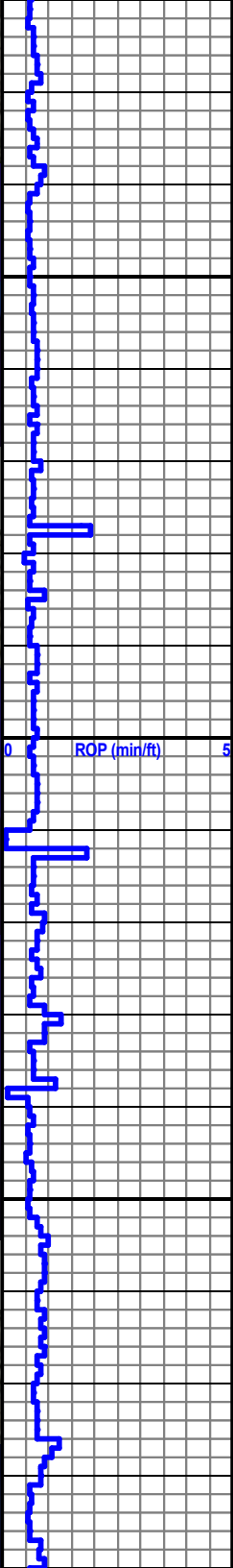


LS: OFF WHT, SCAT LT TO V/LT CRM, TR LT TAN, SCAT CRM, TR DK CRM, TR LT GY TO GYSH, MOD FRM, SM CRMBLY, V/FN XLN, INCRSE MICRO XLN, TR SLI SUC TXT, CHNKY/PLTY, TR BLKY, SM ARG, TR MRLY IP, DECRSE DOLC CMT, SCAT INTRBD DOLO, TR ANHED CALCITE FL, OCC GLAUC, OCC MIN PYR INC., SM CRIN FRAGS, SCAT DK BRN TO BRN SPOT STAIN, TR ASPHTLC STRKS, NO ODOR, SCAT MOLDC POR, SCAT PP POR, TR XLN POR, OCC HAIRLINE FRAC, SCAT LAM SH: GY TO DK GY, TR LT GY, TR GRNSH/GY, OCC V/DK GY, MOD FRM, TR MOD SFT, V/FN TO SLTY TXT, TR SMTH TXT, DULL LSTR, NON CALC, OCC SLTSTN, SCAT YEL FLOR, SM DULL YEL FLOR, FR MLKY BLU/WHT CUT, FR YEL RES RING

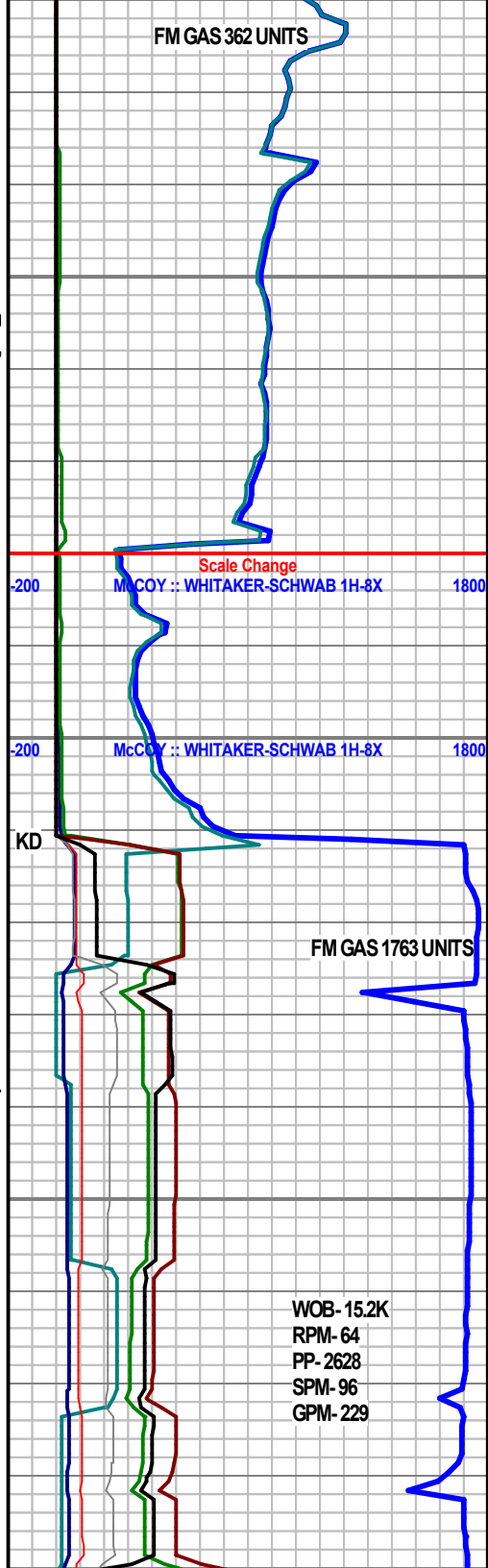
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LS: OFF WHT, LT CRM, TR LT TAN, SCAT CRM, TR DK CRM, TR LT GY, MOD FRM, SM CRMBLY, V/FN XLN, DCRSNG MICRO XLN, TR SLI SUC TXT, CHNKY, PLTY, TR BLKY, SM ARG, TR MRLY IP, DECRSE DOLC CMT, SCAT INTRBD DOLO, TR ANHED CALCITE FL, OCC GLAUC, TR OOLTC, INCRSNG PYR INC., SM CRIN FRAGS, SCAT BRN SPOT STAIN, TR ASPHTLC STRKS, NO ODOR, SCAT MOLDC POR, SCAT PP POR, TR XLN POR, TR HAIRLINE FRAC, SCAT LAM SH: GY TO DK GY, TR LT GY, TR GRNSH/GY, OCC V/DK GY, MOD FRM



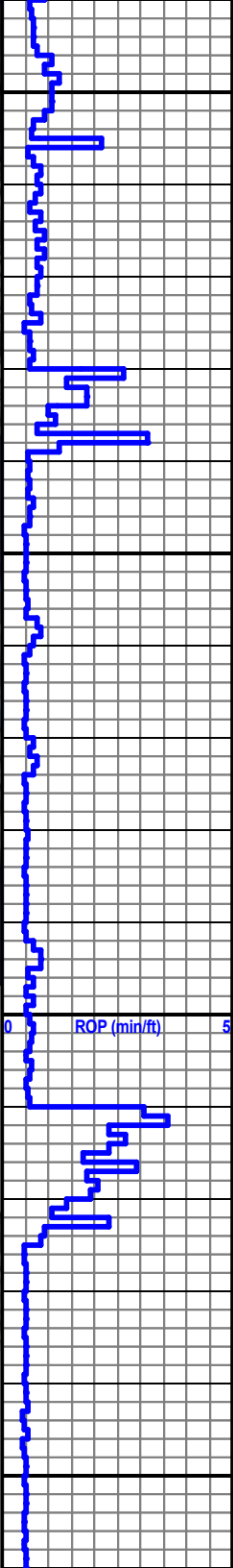


TR MOD SFT, VFN TO SLTY TXT, TR SMTH TXT, DULL LSTR, NON CALC, OCC SLTSTN, SCAT YEL FLOR, SM DULL YEL FLOR, FR MLKYBLU/WHT CUT, FR YEL RES RING  
 LS: TAN, LT CRM, TR LT TAN, OFF WHT, SCAT CRM, TR DK CRM, TR LT GY, MOD FRM, VFN XLN, TR MICRO XLN, TR SLI SUC TXT, CHNKY, PLTY, TR BLKY, SM ARG, SM DOLC CMT, SCAT INTRBD DOLO, TR ANHED CALCITE FL, OCC GLAUC, INCRSNG PYR., SM CRIN FRAGS, SCAT BRN SPOT STAIN, TR ASPHTLC STRKS, NO ODOR, SCAT MOLDC POR, SCAT PP POR, TR XLN POR, TR HAIRLINE FRAC, SCAT LAM SH: GY TO DK GY, TR LT GY, TR GRNSH/GY, OCC V/DK GY, MOD FRM, TR MOD SFT, VFN TO SLTY TXT, TR SMTH TXT, DULL LSTR, NON CALC, OCC SLTSTN, SCAT YEL FLOR, SM DULL YEL FLOR, FR STRMNG MLKYPL YEL CUT, FR YEL RES RING  
 LS: TAN, LT CRM, SM OFF WHT, TR LT TAN, SCAT CRM, TR DK CRM, TR LT GY, MOD FRM, VFN XLN, TR MICRO XLN, TR SLI SUC TXT, CHNKY, PLTY, TR BLKY, SM ARG, SM DOLC CMT, SCAT INTRBD DOLO, TR ANHED CALCITE FL, OCC GLAUC, INCRSNG PYR., SM CRIN FRAGS, SCAT BRN SPOT STAIN, TR ASPHTLC STRKS, NO ODOR, SCAT MOLDC POR, SCAT PP POR, TR XLN POR, TR HAIRLINE FRAC, SCAT LAM SH: GY TO DK GY, TR LT GY, TR GRNSH/GY, OCC V/DK GY, MOD FRM, TR MOD SFT, VFN TO SLTY TXT, TR SMTH TXT, DULL LSTR, NON CALC, OCC SLTSTN, SCAT YEL FLOR, SM DULL YEL FLOR, FR STRMNG MLKYPL YEL CUT, FR YEL RES RING  
 LS: VLT CRM TO SM OFF WHT, SCAT VLT GY TO GYSH/TAN, SCAT LT TAN, TR DK BRN TO BRN MOTT, MOD FRM, SM FRM, BRTL, SM CRMBLY, FN TO VFN XLN, OCC MICRO XLN, TR TO SCAT SUC TXT, CHNKY, SCAT PLTY, INCRSEARG, SM DOLO CMT, SCAT INTRBD DOLO, TR FN TO MED IMBDD DOLO RHOMBS, OCC FN EUHED DRSY CALCITE, OCC ANHED CALCITE FL, OCC PYR INC, SM CRIN FRAGS

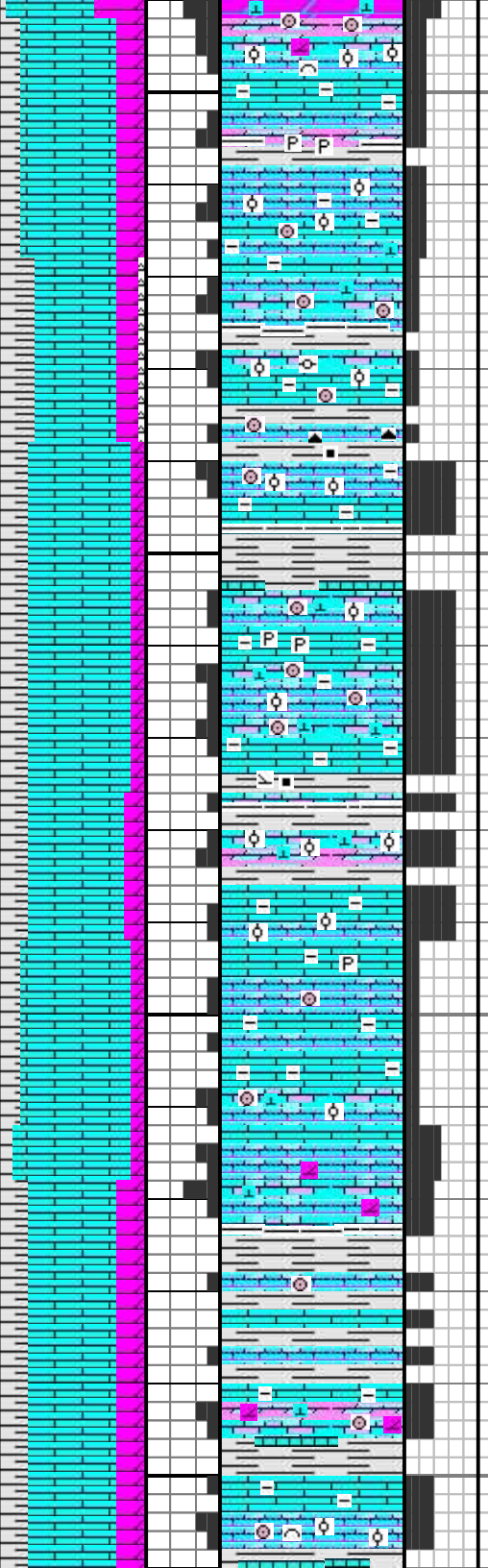




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 VS 3403.62



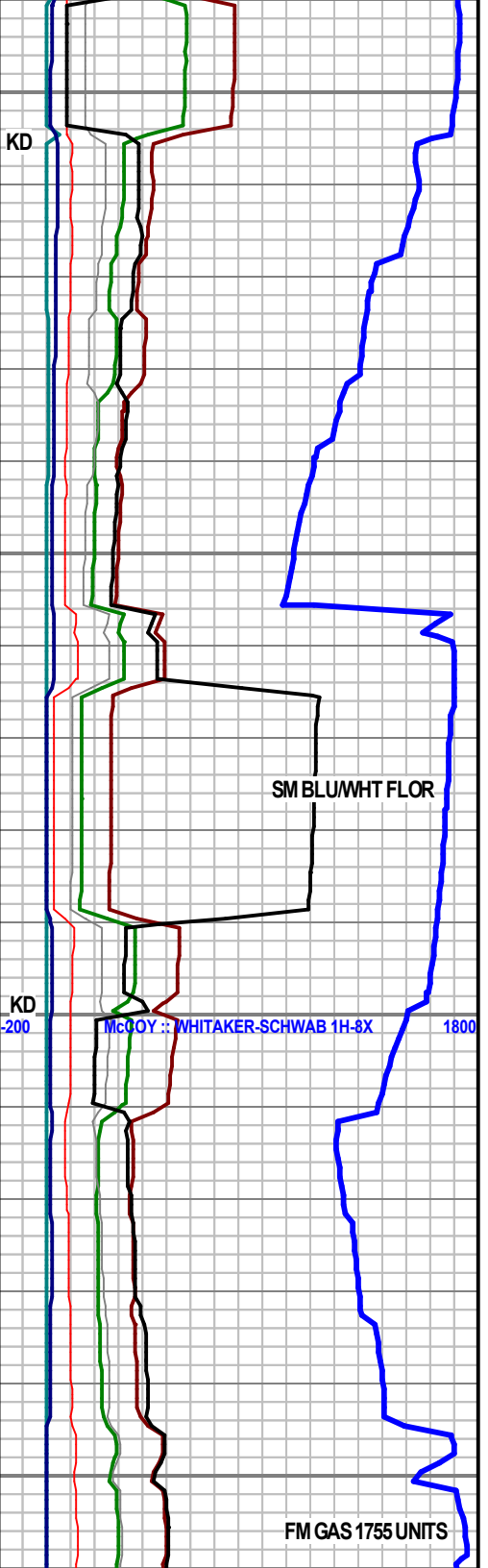
8300  
 8350  
 8400  
 8450



ANHED CALCITE FL, OCC PTR INC., SM CRIN FRAGS,  
 SCAT OOLTC WSM FN SUC DOLC MTX, TR BIOCLST,  
 SCAT BRN TO DK BRN SPOT STAIN, NO ODOR, SM  
 MOLDC POR, SCAT XLN POR, OCC PP TO VUG POR,  
 SCAT LAM SH: GY TO DK GY, TR LT GY, OCC VDK GY,  
 MOD FRM, TR MOD SFT, V/FN TO SLTY TXT, TR SMTH  
 TXT, DULL LSTR, NON CALC, SCAT DULL TO V/DULL  
 DK YEL FLOR, TR DULL YEL FLOR, WK TO FR SLO  
 STRMNG BLUMWHT CUT, TR HVY FR SPTTY YEL TO  
 PALE YEL RES RING

LS: VLT CRM TO SM OFF WHT, SCAT VLT GY TO  
 GYSH/TAN, SCAT LT TAN, TR GY TO DK GY MOTT, OCC  
 DK BRN TO BRN MOTT, MOD FRM, SM FRM, BRTL, SM  
 CRMBLY, FN TO V/FN XLN, OCC MICRO XLN, TR TO  
 SCAT SUC TXT, CHNKY, SCAT PLTY, SM ARG, SCAT  
 DOLO CMT, TR INTRBD DOLO, TR FN TO MED IMBDD  
 DOLO RHOMBS, TR MED TO LRG EUHED DRSY  
 CALCITE, OCC PYR INC., SM CRIN FRAGS, SCAT  
 OOLTC WSM FN SUC DOLC MTX, TR BIOCLST, TR  
 BRN TO DK BRN SPOT STAIN, NO ODOR, SM MOLDC  
 POR, SCAT XLN POR, OCC PP TO VUG POR, SCAT LAM  
 SH: GY TO DK GY, TR LT GY, OCC VDK GY, MOD FRM,  
 TR MOD SFT, V/FN TO SLTY TXT, TR SMTH TXT, DULL  
 LSTR, NON CALC, TR SLTY IP, OCC CARB, OCC FERR  
 CTG, SM DULL DK YEL TO SCAT BLUMWHT FLOR, FR  
 TO MOD FR SLO STRMNG BLUMWHT CUT, FR HVY YEL  
 RES RING

LS: LT TO VLT CRM, SCAT OFF WHT, TR DK CRM, TR  
 TO SCAT GY TO DK GY MOTT, TR LT TAN, MOD FRM,  
 SCAT FRM, MSTLY BRTL, MICRO XLN, SM V/FN XLN,  
 SCAT TO TR SLI SUC TXT, PLTY, DECRSE CHNKY, TR  
 FLKY, SM ARG, INCRSE DOLO CMT, TR INTRBD DOLO,  
 TR V/FN IMBDD DOLO RHOMBS, OCC ANHED  
 CALCITE FL, SCAT CRIN FRAGS W/OCC LRG, TR  
 OOLTC, OCC BIOCLST, TR DK BRN TO BRN SPOT  
 STAIN, OCC HVY FREE OIL IN POR, NO ODOR, SCAT  
 MOLDC POR, TR FRAC POR, TR XLN POR, INCRSE  
 LAM /THN BDD SH: GY TO DK GY, TR LT GY, OCC VDK  
 GY, MOD FRM, TR MOD SFT, V/FN TO SLTY TXT, TR  
 SMTH TXT, DULL LSTR, NON CALC, TR SLTY IP, SCAT  
 DULL DK YEL FLOR, TR DULL YEL FLOR, WK TO TR  
 MOD FR MLKY BLUMWHT CUT W/10% HCL, SCAT  
 V/DULL DK YEL TO DULL YEL FLOR, WK TO VWK  
 MLKY BLUMWHT CUT W/10% HCL, LRG WK SPTTY  
 STRW RES RING

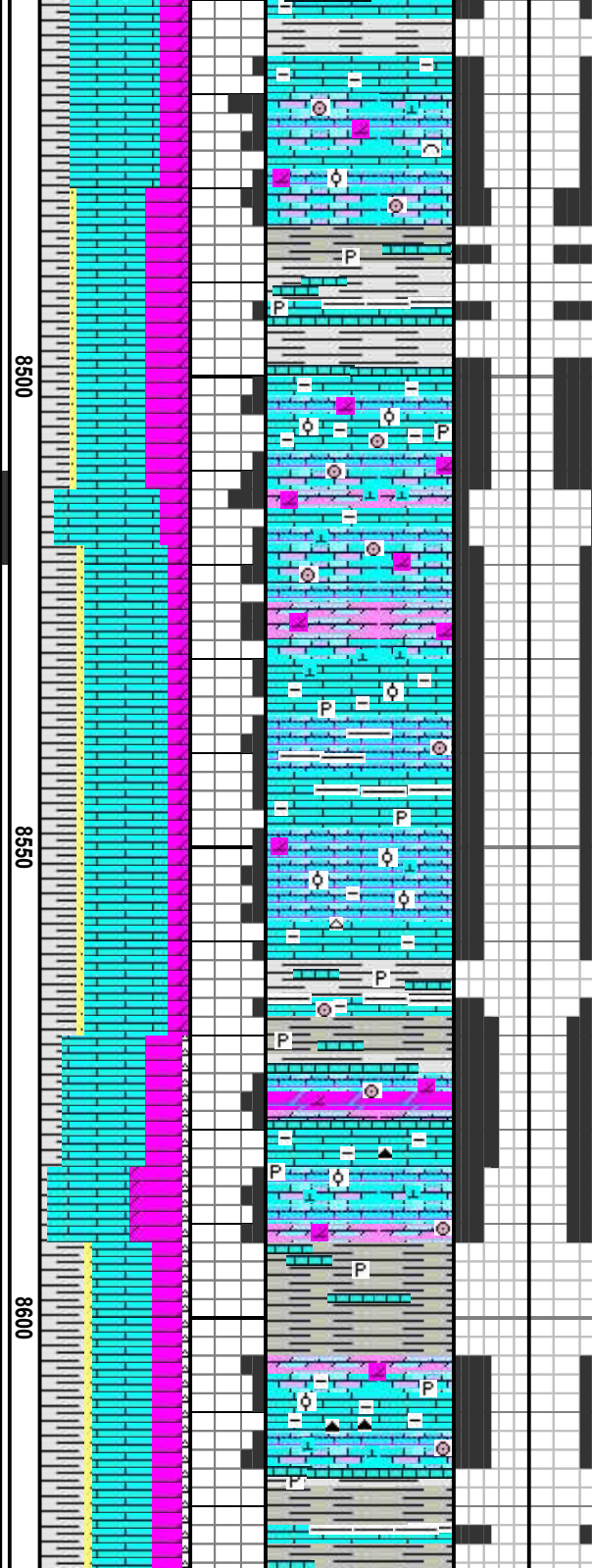
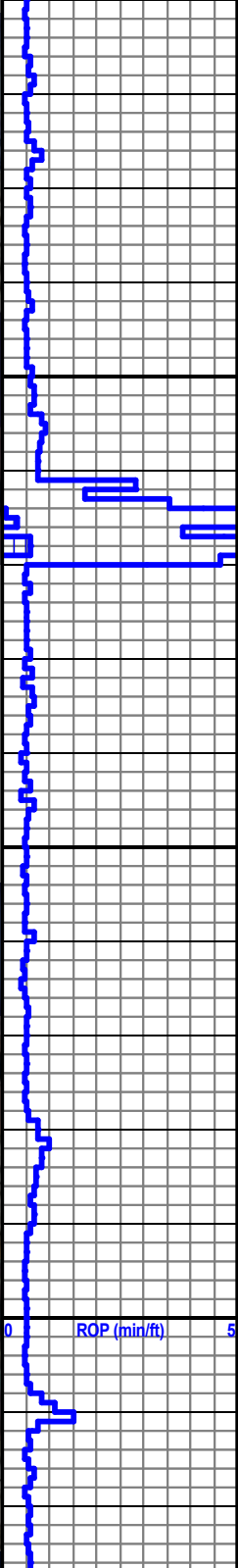


FM GAS 1755 UNITS



WOB-22.4K  
RPM-65  
PP-2833  
SPM-96  
GPM-281

MD 8544 TVD 5287.81  
INC 90.28 AZ 4.7  
N 3492.04 E 263.11  
VS 3497.46



LS: VLT CRM TO SM OFF WHT, SCAT VLT GY TO GYSH/TAN, SCAT LT TAN, TR DK BRN TO BRN MOTT, MOD FRM, SM FRM, BRTL, SM CRMBLY, FN TO V/FN XLN, OCC MICRO XLN, TR TO SCAT SUC TXT, CHNKY, SCAT PLTY, INCRSEARG, SM DOLO CMT, SCAT INTRBD DOLO, TR FN TO MED IMBDD DOLO RHOMBS, OCC FN EUHED DRSY CALCITE, OCC ANHED CALCITE FL, OCC PYR INC., SM CRIN FRAGS, SCAT OOLTIC W/SM FN SUC DOLC MTX, TR BIOCLST, SCAT BRN TO DK BRN SPOT STAIN, NO ODOR, SM MOLDC POR, SCAT XLN POR, OCC PP TO VUG POR, SCAT LAM SH: GY TO DK GY, TR LT GY, OCC V/DK GY, MOD FRM, TR MOD SFT, V/FN TO SLTY TXT, TR SMTH TXT, DULL LSTR, NON CALC, TR TO SCAT DULL YEL FLOR, SCAT V/DULL DK YEL FLOR, SLO TO V/SLOWK TO OCC FR STRMNG STRW TO BLUWHT CUT, TR LRG HVY FR PALE YEL RES RING

LS: VLT CRM TO SM OFF WHT, SCAT CRM, OCC DK CRM, OCC WHT, TR OPQ TO TRNSL, OCC VLT TAN MOTT, MOD FRM, TR FRM, SM BRTL, TR CRMBLY, FN TO V/FN XLN, INCRSING MICRO XLN, TR FN SUC TXT, CHNKY, SM PLTY, OCC BLKY, SCAT TO SM ARG, SCAT DOLO CMT, TR TO DECRSING INTRBD DOLO, SCAT TO TR MED TO LRG EUHED DRSY CALCITE, OCC FN IMBDD DOLO RHOMBS, OCC TAN TO DK TAN CHRT NOD, SCAT TO TR CRIN FRAGS, OCC OOLTIC, TR BRN SPOT STAIN, TR ASPHLTC STRKS, NO ODOR, SCAT MOLDC POR, TR FN TO HAIRLINE FRAC, SM LAM SH: GY TO LT GY, TR DK GY, OCC V/DK GY TO BLK, MOD FRM, BRTL, SMTH TXT, DULL LSTR, PLTY, OCC FLKY, NON CALC, OCC SLTY IP, OCC MICROMICA, TR PYR INC., SCAT DULL YEL TO V/DULL DK YEL FLOR, SLO STRMNG STRW/WHT CUT, FR LRG SPTTY PALE YEL RES RING

LS: VLT CRM TO SM OFF WHT, SCAT CRM, OCC DK CRM, OCC WHT, TR OPQ TO TRNSL, OCC VLT TAN MOTT, MOD FRM, TR FRM, SM BRTL, TR CRMBLY, FN TO V/FN XLN, INCRSING MICRO XLN, TR FN SUC TXT, CHNKY, SM PLTY, OCC BLKY, SCAT TO SM ARG, SCAT DOLO CMT, TR TO DECRSING INTRBD DOLO, SCAT



MD 8638 TVD 5287.56  
INC 90.03 AZ 4.43  
N 3585.74 E 270.59  
VS 3591.32

WOB- 21.8K  
RPM- 66  
PP- 2760  
SPM- 95  
GPM- 275

8680'

8736'

8736'

MD 8731 TVD 5288.21  
INC 89.17 AZ 5.39  
N 3678.4 E 278.55  
VS 3684.14

WOB- 8.1K  
RPM- 65  
PP- 2633  
SPM- 96  
GPM- 281

8786'

8650

8700

8750

88

DOLO CMT, TR TO DECREASING INTRBD DOLO, SCAT TO TR MED TO LRG EUHED DRSY CALCITE, OCC FN IMBDD DOLO RHOMBS, OCC TAN TO DK TAN CHRT NOD, SCAT TO TR CRIN FRAGS, OCC OOLTC, TR BRN SPOT STAIN, TR ASPHLTC STRKS, NO ODOR, SCAT MOLDC POR, TR FN TO HAIRLINE FRAC, SM LAM SH: GY TO LT GY, TR DK GY, OCC VDK GY TO BLK, MOD FRM, BRTL, SMTH TXT, DULL LSTR, PLTY, OCC FLKY, NON CALC, OCC SLTY IP, OCC MICROMICA, TR PYR INC., SCAT DULL YEL FLOR, TR DULL PALE YEL FLOR, WK TO TR MOD FR MLKY PALE YEL CUT W/10% HCL, FAINT THN RES RING

NO SAMPLE CAUGHT

LS: LT TO VLT CRM, SM OFF WHT, TR WHT, TR TO SCAT LT GY TO GY MOTT, OCC DK CRM TO TAN MOTT, FRM, SM MOD FRM, BRTL, MICROXLN, SCAT V/FN XLN, PLTY, OCC BLKY, TR CHNKY, SM ARG, SCAT TO TR DOLO CMT, SCAT INTRBD DOLO, OCC MIN PYR INC., OCC PLTY TRNSP CALCITE FL W/TR OCCLD FRAC, OCC IMBDD FN DOLO RHOMBS, TR OOLTC, TR TT, OCC ASPHLTC STRKS, OCC SPOT STAIN, NO ODOR, SCAT FN FRAC, TR HAIRLINE FRAC, TR MOLDC POR, SCAT DULL YEL TO DULL DK YEL FLOR, TR FR/GD SLO STRMNG PALE YEL CUT, WK STRW SPTTY RES RING

SH: GY TO MED GY, SM DK GY, SCAT TO TR LT GY, OCC LT TO VLT GY/WBRN MOTT, OCC BLK, TR VDK GY, MOD FRM, OCC FRM, BRTL, V/FN TXT, TR SMTH TXT, SCAT SLTY TXT, DULL LSTR, MSTLY PLTY, TR TAB, NON CALC, SCAT TO SM SLTY IP, SCAT MIN PYR INC., OCC MICROMICA, OCC SLI CARB, SM LAM LS: OFF WHT TO TAN, SCAT DK TAN, TR CRM TO DK CRM, SCAT GYSH MOTT, MOD FRM, SM FRM, SM CRMBLY, V/FN XLN, SCAT FN XLN, PLTY, TR BLKY, SM TO ABNDNT ARG, TR DOLC CMT, SCAT FOSUS W/OOLT

KD

FM GAS 1886 UNITS

KD

FM GAS 1860 UNITS

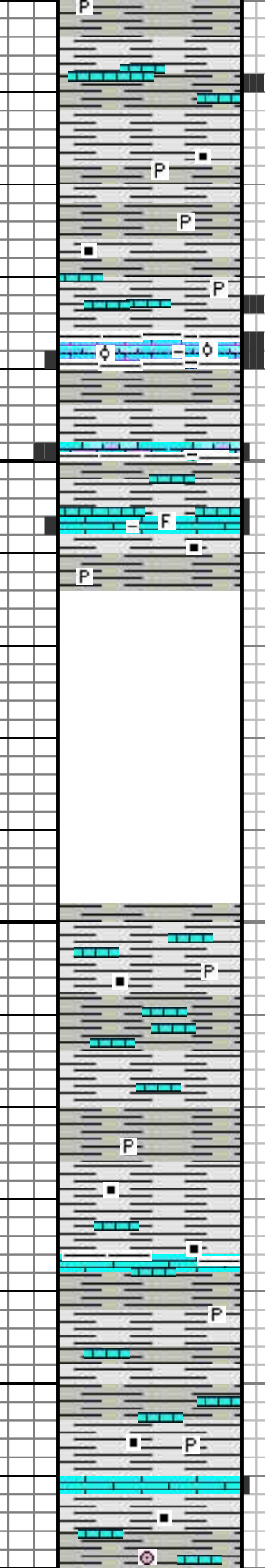
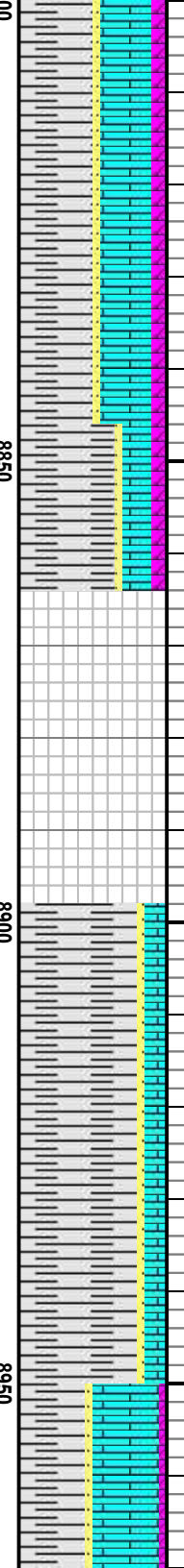
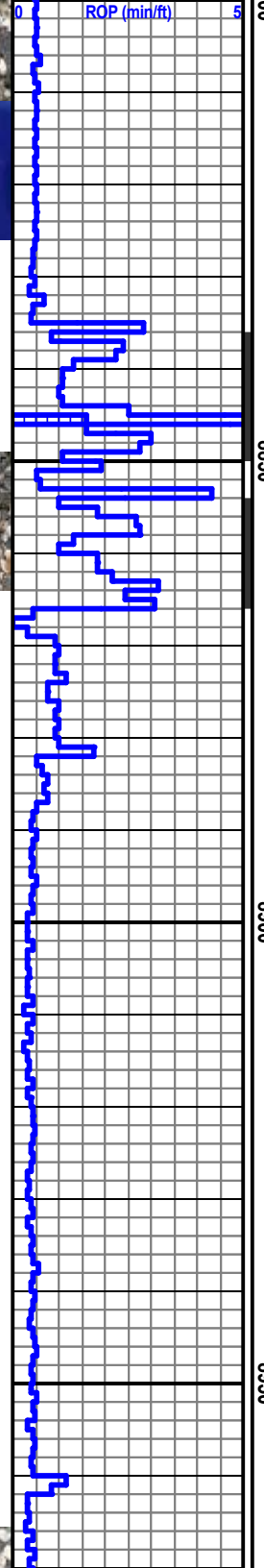
8846'

MD 8825 TVD 5291.07  
INC 87.35 AZ 0.38  
N 3772.2 E 283.28  
VS 3778.03

WOB- 23.8K  
RPM- 0  
PP- 2603  
SPM- 101  
GPM- 293

8865'

MD 8919 TVD 5291.8  
INC 91.76 AZ 2.47  
N 3866.14 E 285.61  
VS 3872



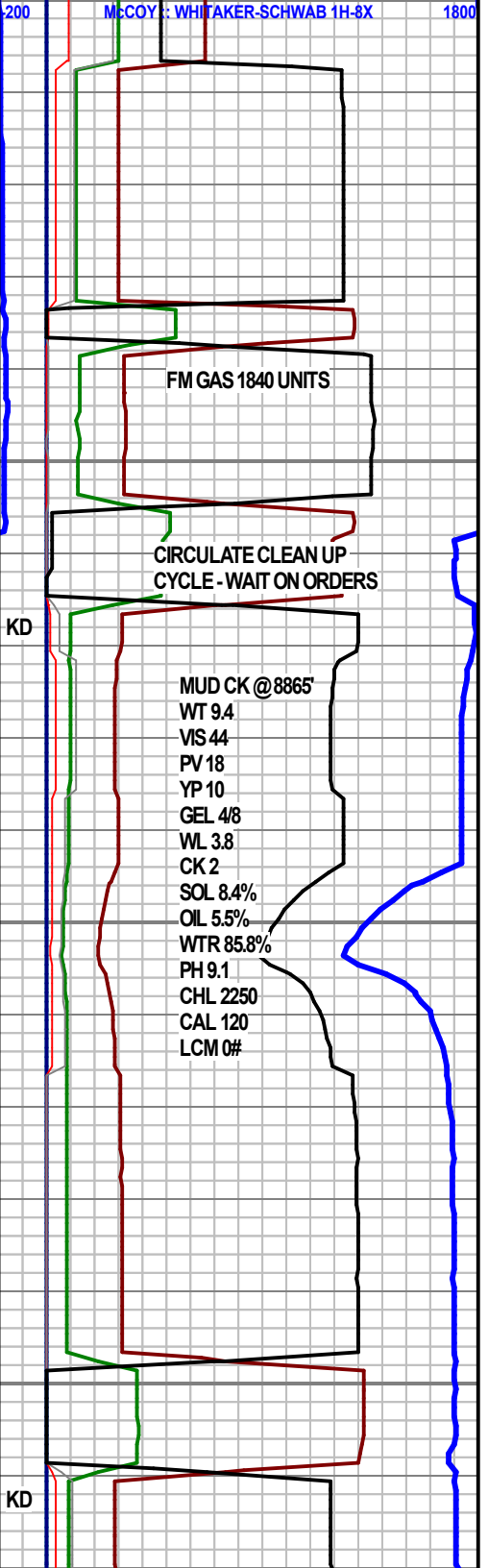
/FOSS DEBRIS, OCC BLK SPOT STAIN, NO ODOR, TR XLN POR, TR MOLDC POR, SCAT FN FRAC, TR DULL YEL TO DK YEL FLOR, WK V/SLO STRMNG BLU/WHT CUT,

SH: GY TO MED GY, SM DK GY, SCAT TO TR LT GY, OCC LT TO V/LT GY/WBRN MOTT, OCC BLK, TR V/DK GY, MOD FRM, OCC FRM, BRTL, V/FN TXT, TR SMTH TXT, SCAT SLTY TXT, DULL LSTR, MSTLY PLTY, TR TAB, NON CALC, SCAT TO SM SLTY IP, SCAT MIN PYR INC., OCC MICRO MICA, OCC SLI CARB, SCAT LAM LS: OFF WHT TO TAN, SCAT DK TAN, TR CRM TO DK CRM, SCAT GYSH MOTT, MOD FRM, SM FRM, SM CRMBLY, V/FN XLN, SCAT FN XLN, PLTY, TR BLKY, SM TO ABNDNT ARG, TR DOLC CMT, TR FOSUS W/FOSS DEBRIS, OCC BLK SPOT STAIN, NO ODOR, TR XLN POR, TR MOLDC POR, SCAT FN FRAC, TR DULL YEL TO DK YEL FLOR, WK V/SLO STRMNG BLU/WHT CUT,

**NO SAMPLE CAUGHT**

SH: GY TO MED GY, SM DK GY, SCAT TO TR LT GY, OCC LT TO V/LT GY/WBRN MOTT, OCC BLK, TR V/DK GY, MOD FRM, OCC FRM, BRTL, V/FN TXT, TR SMTH TXT, SCAT SLTY TXT, DULL LSTR, MSTLY PLTY, TR TAB, NON CALC, SCAT TO SM SLTY IP, SCAT MIN PYR INC., OCC MICRO MICA, OCC SLI CARB, TR LS STRNGS : OFF WHT TO TAN, SCAT DK TAN, TR CRM TO DK CRM, SCAT GYSH MOTT, MOD FRM, SM FRM, SM CRMBLY, V/FN XLN, SCAT FN XLN, PLTY, TR BLKY, TR XLN POR, TR MOLDC POR, TR DULL YEL FLOR NOVIS CUT, NO RES RING

SH: GY TO MED GY, SM DK GY, SCAT TO TR LT GY, OCC LT TO V/LT GY/WBRN MOTT, OCC BLK, TR V/DK GY, MOD FRM, OCC FRM, BRTL, V/FN TXT, TR SMTH TXT, SCAT SLTY TXT, DULL LSTR, MSTLY PLTY, TR TAB, NON CALC, SCAT TO SM SLTY IP, SCAT MIN PYR INC., OCC MICRO MICA, OCC SLI CARB, TR LS STRNGS : OFF WHT TO TAN, SCAT DK TAN, TR CRM TO DK CRM, SCAT GYSH MOTT, MOD FRM, SM FRM, SM CRMBLY, V/FN XLN, SCAT FN XLN, PLTY, TR BLKY, TR XLN POR, TR MOLDC POR, TR DULL YEL FLOR NOVIS CUT, NO RES RING



FM GAS 1840 UNITS

CIRCULATE CLEAN UP CYCLE - WAIT ON ORDERS

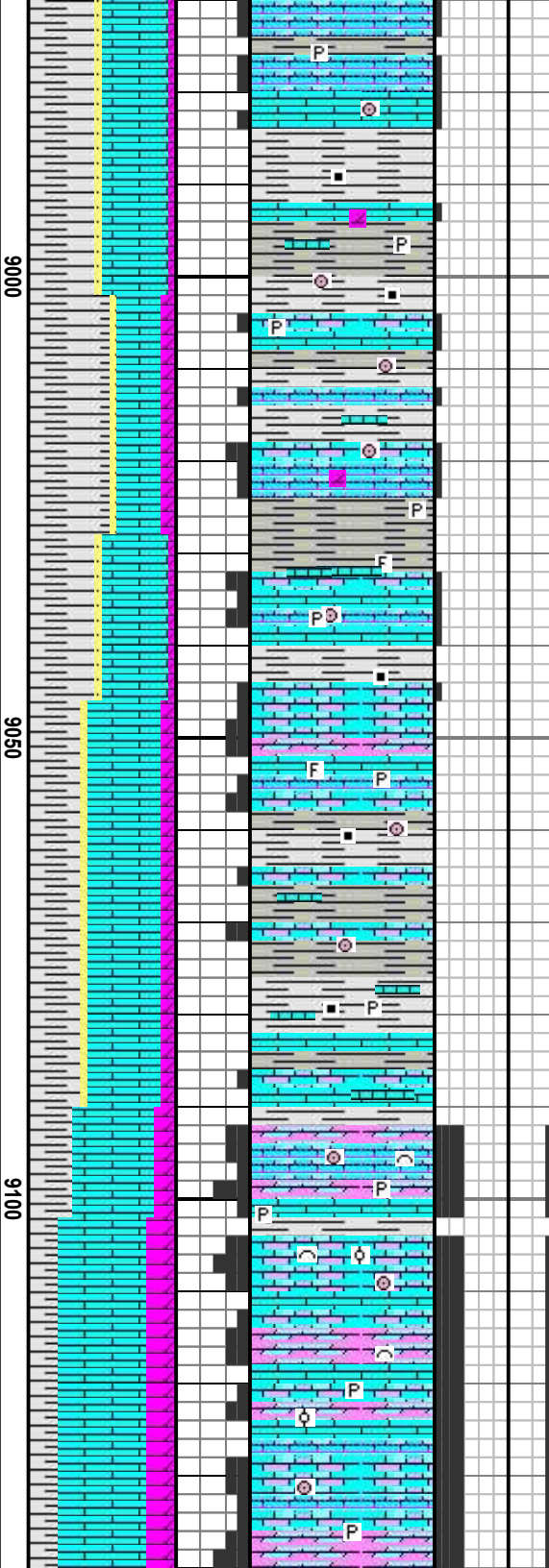
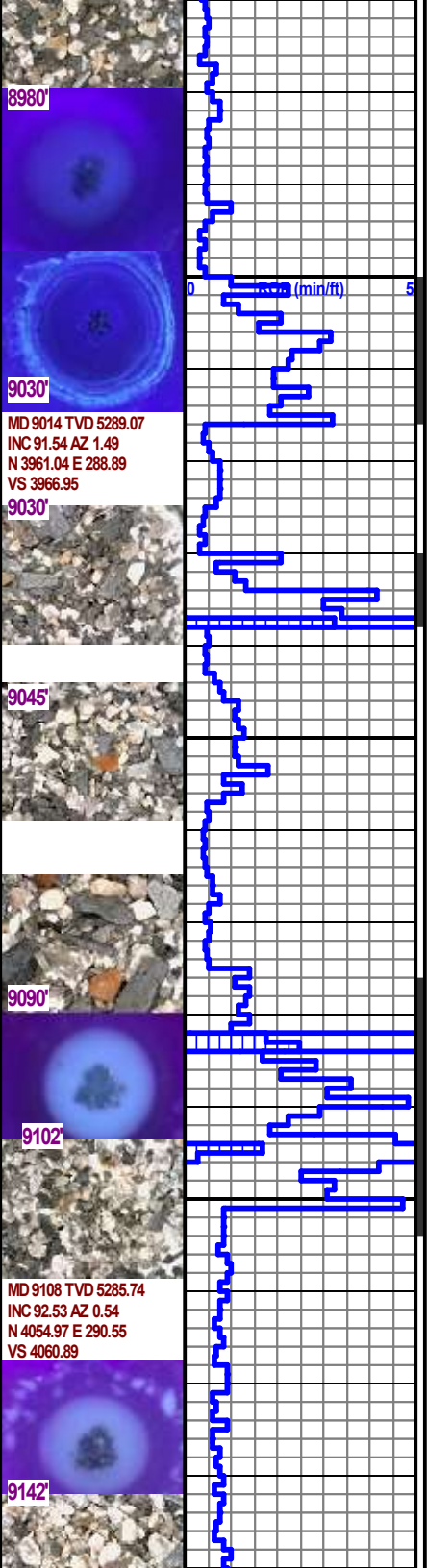
MUD CK @ 8865'

WT 9.4  
VS 44  
PV 18  
YP 10  
GEL 4/8  
WL 3.8  
CK 2  
SOL 8.4%  
OIL 5.5%  
WTR 85.8%  
PH 9.1  
CHL 2250  
CAL 120  
LCM 0#

KD

KD

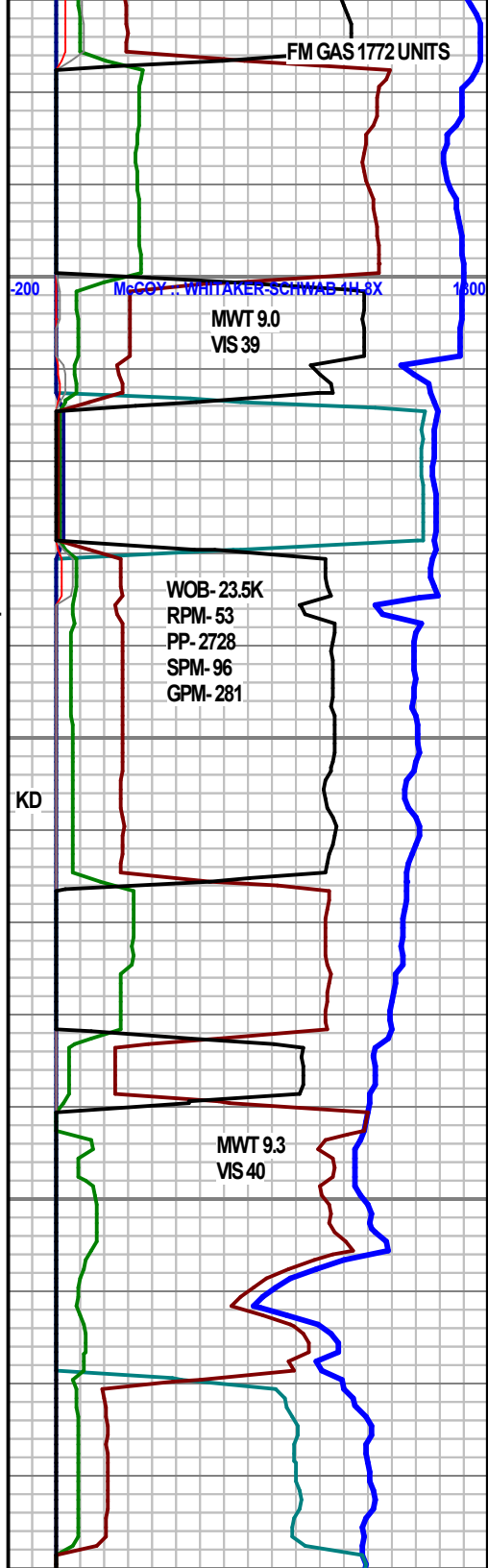


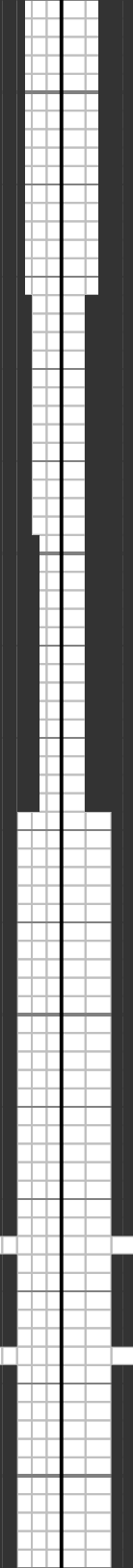
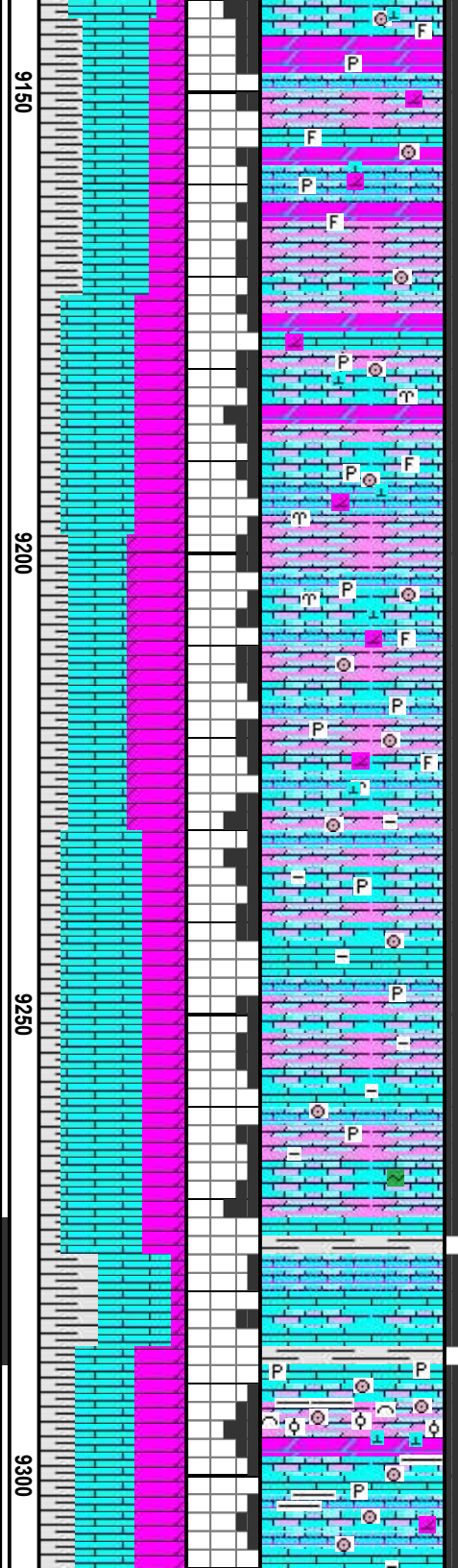
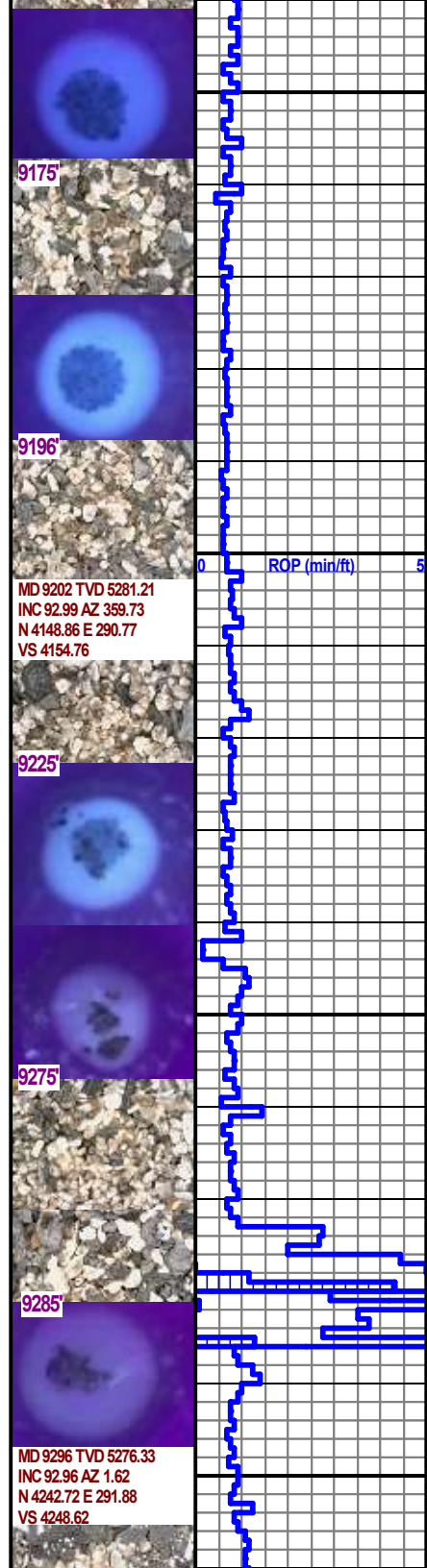


NON CALC, SCAT TO SM SLTY IP, SCAT MIN PYR INC., OCC MICRO MICA, OCC SLI CARB, SCAT LAM LS: OFF WHT TO TAN, SCAT DK TAN, TR CRM TO DK CRM, SCAT GYSH MOTT, MOD FRM, SM FRM, SM CRMBLY, V/FN XLN, SCAT FN XLN, PLTY, TR BLKY, SM TO ABDNT ARG, TR DOLC CMT, TR CRIN W/ SM FOSS DEBRIS, OCC BLK SPOT STAIN, NO ODOR, TR XLN POR, TR MOLDC POR, SCAT FN FRAC, TR DULL YEL TO DK YEL FLOR, PR STRMNG BLUWHT CUT, THIN WHT RES RING

SH: MSTLY GY, SM DK GY, SCAT TO TR LT GY, OCC LT GRN W/GY MOTT, OCC BLK, TR V/DK GY, MOD FRM, OCC FRM, BRTL, SM MOD SFT, V/FN TXT, TR SMTH TXT, SCAT SLTY TXT, DULL LSTR, PLTY, TR TAB, NON CALC, SCAT TO SM SLTY IP, SCAT MIN PYR INC., OCC MICRO MICA, OCC SLI CARB, SCAT LAM LS: OFF WHT TO TAN, SCAT DK TAN, TR CRM TO DK CRM, SCAT GYSH MOTT, MOD FRM, SM FRM, SM CRMBLY, V/FN XLN, SCAT FN XLN, PLTY, TR BLKY, SM ARG, TR DOLC CMT, TR CRIN W/ SM FOSS DEBRIS, OCC BLK SPOT STAIN, NO ODOR, TR XLN POR, TR MOLDC POR, SCAT FN FRAC, TR DULL YEL TO DK YEL FLOR, TR TO PR STRMNG BLUWHT CUT, THIN WHT RES RING

LS: VLT CRM TO SM OFF WHT, SCAT VLT GY TO GYSH/TAN, SCAT LT TAN, TR DK BRN TO BRN MOTT, MOD FRM, SM FRM, BRTL, SM CRMBLY, FN TO V/FN XLN, OCC MICRO XLN, TR TO SCAT SUC TXT, CHNKY, SCAT PLTY, TR ARG, SM DOLO CMT, SCAT INTRBD DOLO, OCC CALCITE, SM CALCITE FL, OCC PYR INC., SM CRIN FRAGS, SCAT OOLT C W/ SM FN SUC DOLC MTX, TR BIOCLST, SCAT BRN TO DK BRN SPOT STAIN, NO ODOR, SM MOLDC POR, SCAT XLN POR, OCC PP TO VUG POR, SCAT LAM SH: GY TO DK GY, TR LT GY, OCC V/DK GY, MOD FRM, TR MOD SFT, V/FN TO SLTY TXT, TR SMTH TXT, DULL LSTR, NON CALC, SCAT YEL TO V/DULL DK YEL FLOR, TR DULL YEL FLOR, FR STRMNG MLKY BLUWHT CUT, TR HVY FR SPTTY PALE YEL RES RING

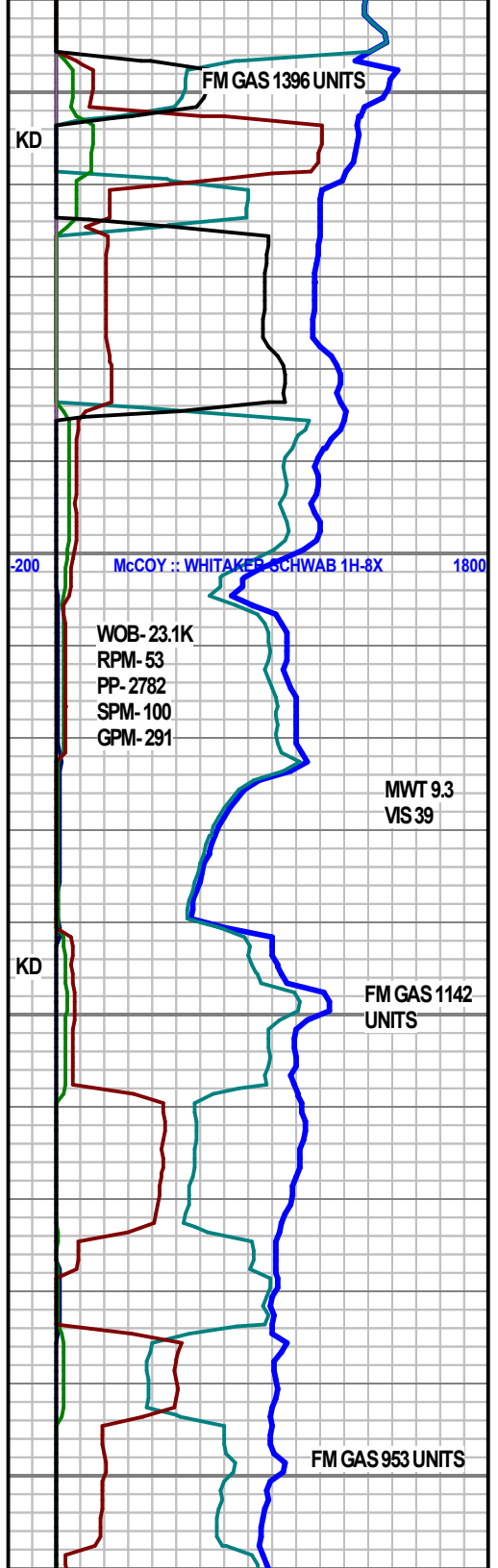


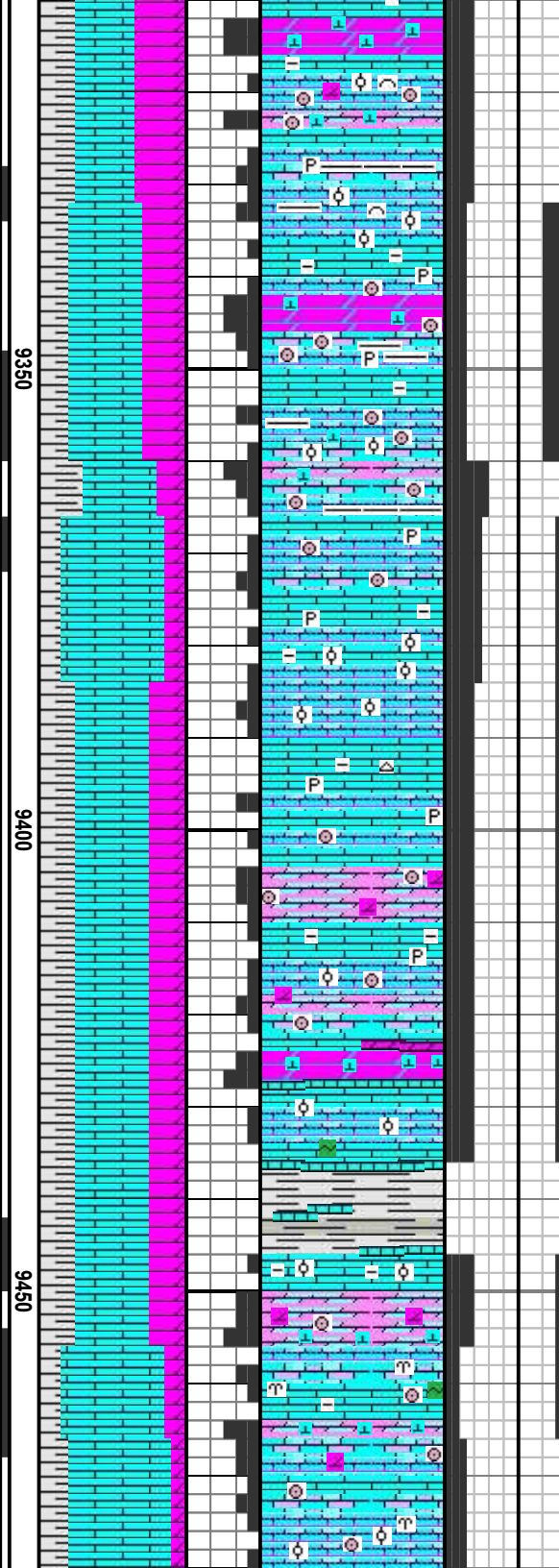
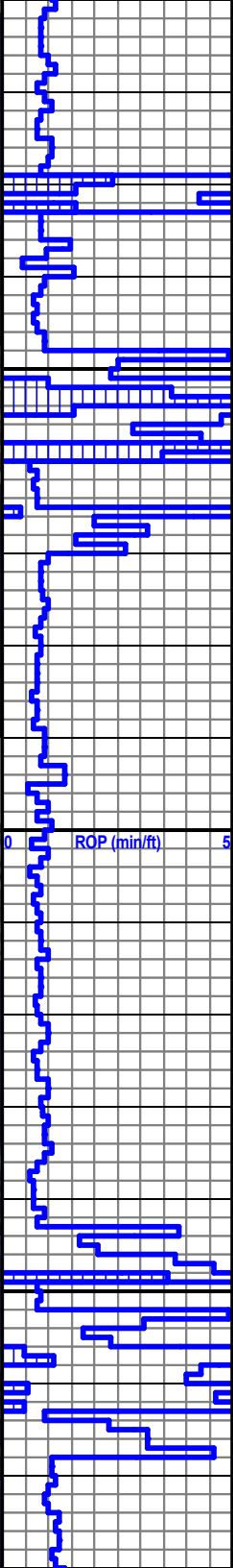


LS: VLT CRM TO SM OFF WHT, SCAT CRM, OCC DK CRM, OCC WHT, TR OPQ TO TRNSL, OCC VLT TAN MOTT, MOD FRM, TR FRM, SM BRTL, SM CRMBLY, FN TO V/FN XLN, TR MICRO XLN, TR FN SUC TXT, CHNKY, SM PLTY, OCC BLKY, SCAT TO SM ARG, SM DOLO CMT, SM INTRBD DOLO, SCAT TO TR MED TO LRG EUHED DRSY CALCITE, OCC PLTY CALCITE FL W/TR OCC HL FRAC, OCC MED IMBDD DOLO RHOMBS, SCAT CRIN FRAGS, SCAT OOLTC, TR BIOCLST W/OCC BRYZOA, TR TAN TO BRN SPOT STAIN, TR ASPHLTC STRKS, NO ODOR, SM MOLDC POR, TR TO SCAT VUG TO PP POR, TR FN TO HAIRLINE FRAC, TR TO OCC LAM SH: GY TO LT GY, TR DK GY, OCC V/PALE GRNSH/GY, MOD FRM, BRTL, SMTH TXT, DULL LSTR, PLTY, OCC FLKY, NON CALC, OCC SLTY IP, OCC MICRO MICA, SCAT DULL YEL FLOR, OCC DULL STRW FLOR, FR TO GD STRMNG BLU/WHT CUT, FR LRG HVY YEL RES RING

LS: OFF WHT, SM CRM, SCAT DK CRM, OCC LT CRM, OCC WHT, TR OPQ TO TRNSL, OCC VLT TAN MOTT, MOD FRM, TR FRM, SM BRTL, SM CRMBLY, FN TO V/FN XLN, TR MICRO XLN, TR FN SUC TXT, CHNKY, SM PLTY, OCC BLKY, INCRSNG ARG, SM DOLO CMT, SM INTRBD DOLO, TR GLAUC, TR OCC HL FRAC, OCC MED IMBDD DOLO RHOMBS, SCAT CRIN FRAGS, SCAT OOLTC, TR TAN TO BRN SPOT STAIN, TR ASPHLTC STRKS, NO ODOR, SM MOLDC POR, TR TO SCAT VUG TO PP POR, TR FN TO HAIRLINE FRAC, TR TO OCC LAM SH: GY TO LT GY, TR DK GY, OCC V/PALE GRNSH/GY, MOD FRM, BRTL, SMTH TXT, DULL LSTR, PLTY, OCC FLKY, NON CALC, OCC SLTY IP, OCC MICRO MICA, SCAT DULL YEL FLOR, OCC DULL STRW FLOR, FR STRMNG BLU/WHT CUT, YEL RES RING

LS: OFF WHT TO VLT CRM, SCAT LT CRM, TR CRM, SCAT TO TR TAN TO DK TAN MOTT, TR GYSH/TAN, TR DK GY MOTT, MOD FRM, TR FRM, MSTLY BRTL, TR CRMBLY, V/FN XLN, SCAT MICRO XLN, TR FN XLN, TR V/FN SUC TXT, PLTY, SM CHNKY, OCC BLKY, TR ARG, SM DOLC CMT, SCAT INTRBD DOLO, TR MED TO LRG EUHED DRSY CALCITE W/OCC SPOT STAIN, OCC TO

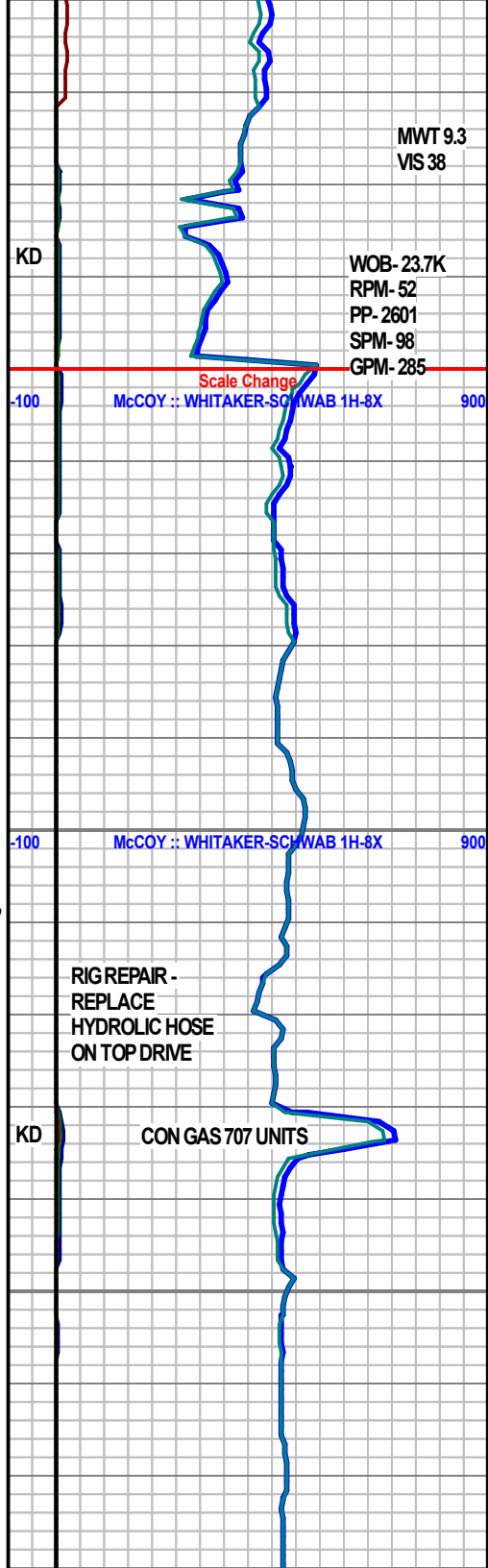




TR PYR INC. W/MSTLY MIN, OCC FN IMBDD DOLO RHOMBS, SM CRIN FRAGS, SCAT TO TR OOLT W/TT DOLC MTX, SCAT BIOCLST, SCAT DK BRN SPOT STAIN, NO ODOR, SM MOLDC POR, TR TO SCAT XLN POR, OCC HAIRLINE FRAC, SCAT THN BDD /INTRBD SH: LT GY, GY, TR VLT GY, OCC PALE TO VPALE GRN, TR TO OCC BRN MOTT, MOD FRM, TR MOD SFT, MSTLY BRTL, SMTH TXT, TR VFN TXT, DULL LSTR, PLTY, TR CHNKY, NON CALC, TR PYRC, OCC SLTY IP, SCAT YEL FLOR, SCAT DULL DK YEL TO DULL YEL FLOR, SLOWK TO TR GD STRMNG STRW TO BLU/WHT CUT, FR LRG SPTTY PALE YEL TO YEL RES RING

LS: LT CRM TO CRM, SM OFF WHT, TR DK CRM, TR TAN MOTT, OCC DK BRN TO BLK MOTT, MOD FRM, BRTL, SCAT CRMBLY, VFN TO FN XLN, DECRSNG MICRO XLN, TR SLI SUC TXT, PLTY TO CHNKY, OCC BLKY, TR TO OCC ARG, SM DOLC CMT, SCAT TO SM INTRBD DOLO, OCC LAM DOLO, SCAT FN TO MED TANSH TO TRNSP EUHED DRSY CALCITE, SCAT VFN IMBDD DOLO RHOMBS, OCC GLAUC, OCC MIN PYR INC., SCAT CRIN FRAGS, TR OOLT C W/TR VFN SUC DOLC MTX, OCC BRYZOA, SCAT DK TAN TO DK BRN SPOT STAIN, NO ODOR, SM MOLDC POR, TR VUG POR, TR XLN POR, TR INTRBD/ THN BDD SH: LT GY, GY, TR VLT GY, OCC PALE TO VPALE GRN, TR TO OCC BRN MOTT, MOD FRM, TR MOD SFT, MSTLY BRTL, SMTH TXT, TR VFN TXT, DULL LSTR, PLTY, TR CHNKY, NON CALC, TR PYRC, OCC SLTY IP, SCAT V/DULL YEL TO DULL DK YEL FLOR, FR V/SLO STRMNG BLU/WHT CUT, FR TO MOD FR LRG HVY SPTTY PALE YEL RES RING

LS: CRM TO LT CRM, SCAT DK CRM, DECRSNG OFF WHT, TR TAN TO BRN MOTT, OCC DK GY STRKS, MOD FRM, SM CRMBLY, VFN XLN, SCAT FN XLN, OCC MICRO XLN, SM SLI SUC TXT, CHNKY, SM PLTY, OCC ARG, SM DOLO CMT, TR INTRBD DOLO, SCAT MED TANSH/TRNSP EUHED DRSY CALCITE, TR VFN IMBDD DOLO RHOMBS, OCC GLAUC, SCAT CRIN FRAGS, INCRSE OOLT C, TR TO SCAT BRYZOA, SCAT DK BRN TO BRN SPOT STAIN, NO ODOR, SM TO SCAT



MWT 9.3  
VIS 38

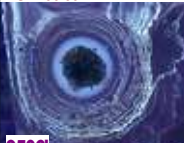
WOB- 23.7K  
RPM- 52  
PP- 2601  
SPM- 98  
GPM- 285

RIG REPAIR -  
REPLACE  
HYDROLIC HOSE  
ON TOP DRIVE

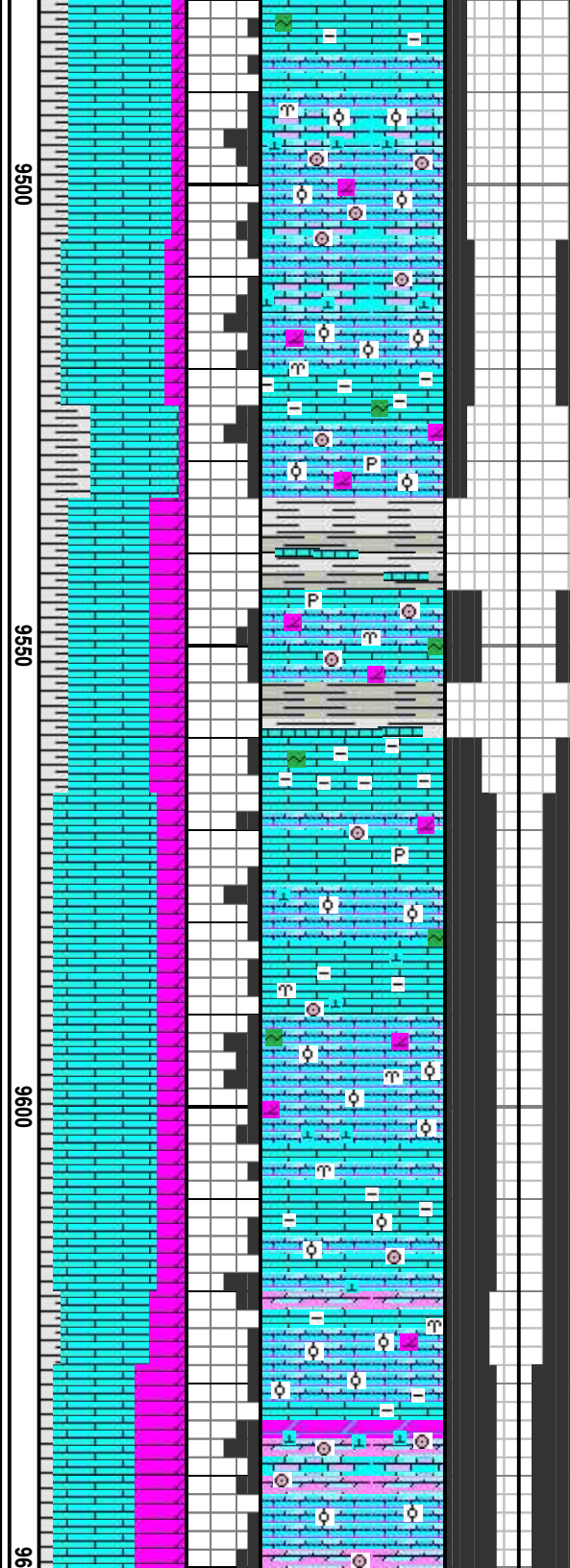
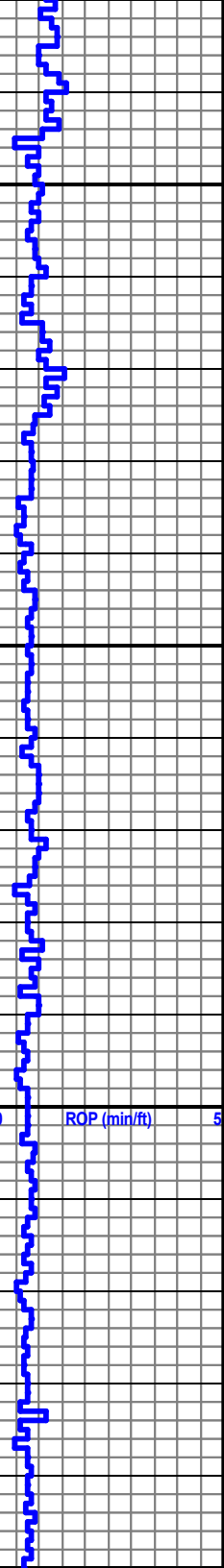
CON GAS 707 UNITS

9506'

MD 9484 TVD 5275.64  
INC 87.75 AZ 2.97  
N 4430.5 E 299.37  
VS 4436.53



MD 9578 TVD 5279.5  
INC 87.54 AZ 2.46  
N 4524.32 E 303.82  
VS 4530.42

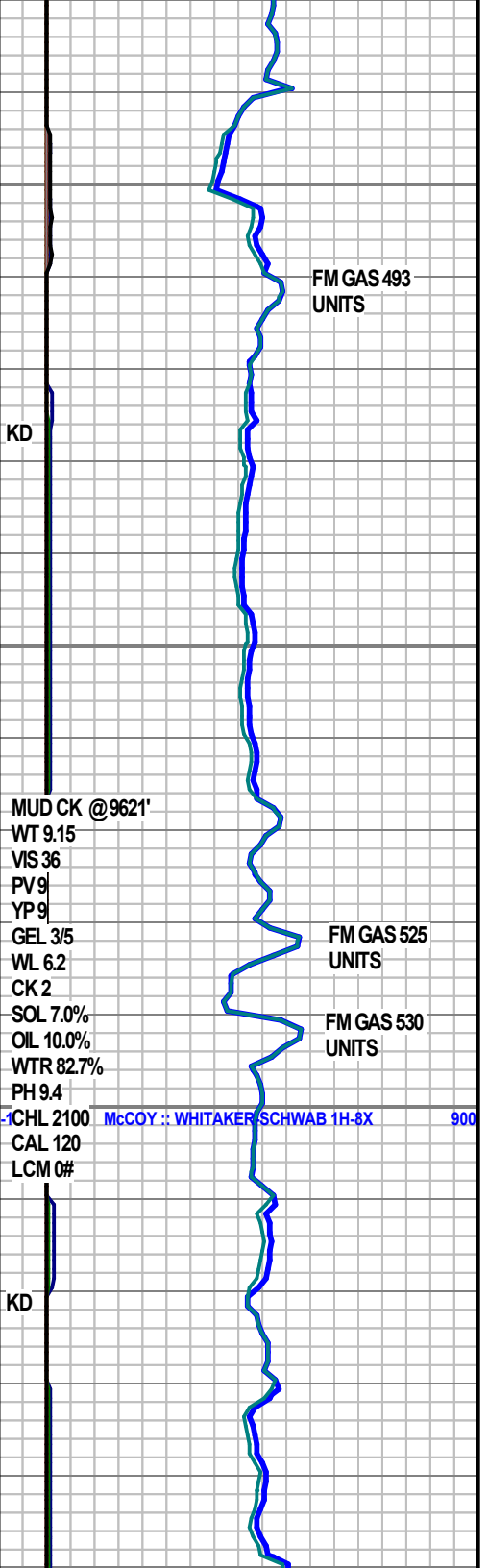


MOLDC POR, INCRSE VUG POR TO PP POR, TR XLN  
POR, SCAT DULL YEL TO DULL DK YEL FLOR, MOD  
FR TO WK V/SLO STRMNG BLU/WHT CUT, FR LRG  
SPTTY PALE YEL RES RING

LS: OFF WHT, SCAT LT TO VLT CRM, TR LT TAN,  
SCAT CRM, TR DK CRM, TR LT GY TO GYSH, MOD  
FRM, SM CRMBLY, V/FN XLN, INCRSE MICRO XLN, TR  
SLI SUC TXT, CHNKY/PLTY, TR BLKY, TR ARG, OCC  
MRLY IP, DECRSE DOLC CMT, SCAT INTRBD DOLO, TR  
IMBDD FN DOLO RHOMBS, TR ANHED CALCITE FL,  
OCC GLAUC, OCC MIN PYR INC., SCAT CRIN FRAGS,  
DECRSE BIOCLST W/BRYZOA/OOLT, SCAT DK BRN  
TO BRN SPOT STAIN, TR ASPHTLC STRKS, NO ODOR,  
SCAT MOLDC POR, SCAT PP POR, OCC XLN POR,  
OCC HAIRLINE FRAC, SCAT LAM SH: GY TO VLT GY,  
TR LT GY, OCC GRNSH/GY, OCC V/DK BRN MOTT, MOD  
FRM, TR MOD SFT, V/FN TO SMTH TXT, TR SLTY TXT,  
DULL LSTR, NON CALC, TR MICRO MICA, OCC PYRC,  
SCAT TO SM DULL DK YEL FLOR W/OCC DULL YEL  
FLOR, FR TO TR MOD GD SLO STRMNG PALE YEL TO  
STRW CUT, MOD FR THN SPTTY PALE YEL RES RING

LS: CRM TO DK CRM, SCAT LT CRM, SCAT OFF WHT,  
TR LT GY, TR DK GY TO DK BRN MOTT, MOD FRM, TR  
FRM, BRTL, TR CRMBLY, SM MICRO XLN, SM V/FN  
XLN, PLTY, SCAT CHNKY, INCRSE ARG, SM DOLO CMT,  
TR TO INCRSING INTRBD DOLO, TR FN TO V/FN  
EUHED DRSY CALCITE W/SM DK BRN HVY OIL CTG,  
OCC IMBDD DOLO RHOMBS, TR GLAUC, TR CRIN  
FRAGS, SCAT OOLT, SCAT BRYZOA, SCAT BRN TO  
DK BRN SPOT STAIN, NO ODOR, SM MOLDC POR,  
SCAT PP POR, OCC XLN POR, SM DULL DK YEL FLOR,  
OCC YEL FLOR, GD IMMD STRMNG PALE YEL CUT, FR  
TO WK LRG YEL RES RING

LS: CRM TO DK CRM, SCAT LT CRM, SCAT OFF WHT,  
TR LT GY, TR DK GY TO DK BRN MOTT, MOD FRM, TR  
FRM, BRTL, TR CRMBLY, SM MICRO XLN, SM V/FN  
XLN, PLTY, SCAT CHNKY, TR ARG, SM DOLO CMT,  
SCAT INTRBD DOLO, TR LAM DOLO, TR V/FN EUHED  
DRSY CALCITE W/SM DK BRN HVY OIL CTG, OCC



MUD CK @9621'  
WT 9.15  
VIS 36  
PV 9  
YP 9  
GEL 3/5  
WL 6.2  
CK 2  
SOL 7.0%  
OIL 10.0%  
WTR 82.7%  
PH 9.4  
I-CHL 2100  
CAL 120  
LCM 0#

McCOY :: WHITAKER SCHWAB 1H-8X 900



9650'

MD 9673 TVD 5283.27  
INC 87.9 AZ 2.5  
N 4619.15 E 307.92  
VS 4625.33



9708'



9708'



9740'



9740'



9740'

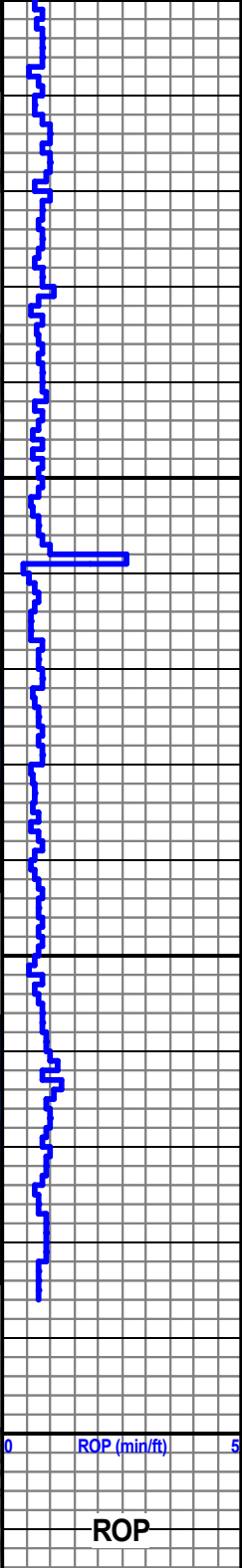
MD 9743 TVD 5285.95  
INC 87.72 AZ 2.25  
N 4689.04 E 310.82  
VS 4695.27



PROJECTED  
MD 9786 TVD 5287.66  
INC 87.72 AZ 2.25  
N 4731.97 E 312.5  
VS 4738.23

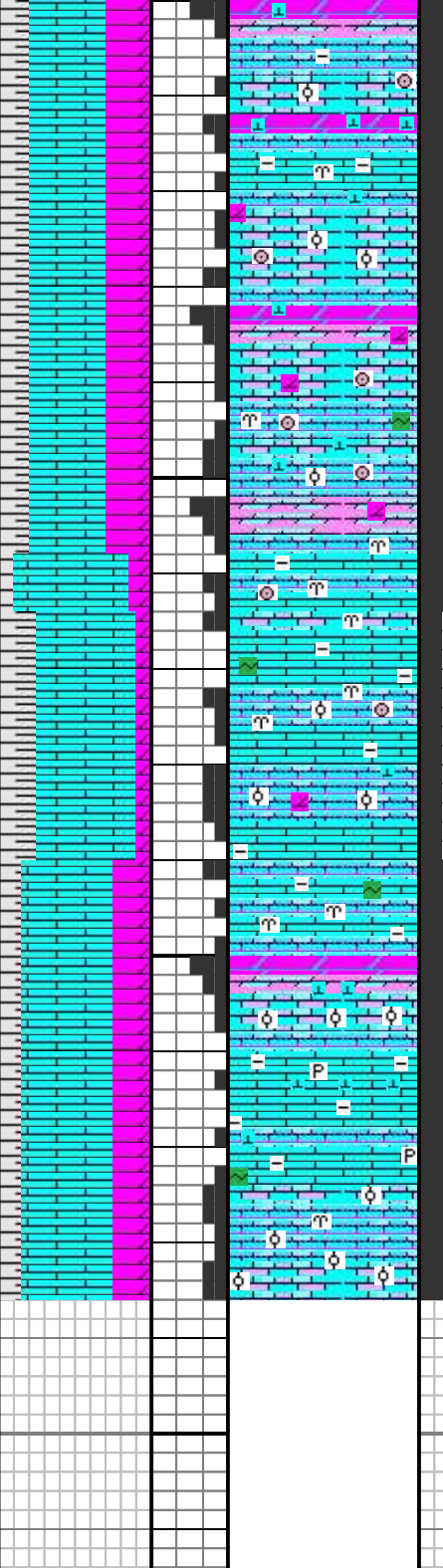


BU 9786'



ROP

9650  
9700  
9750  
9800



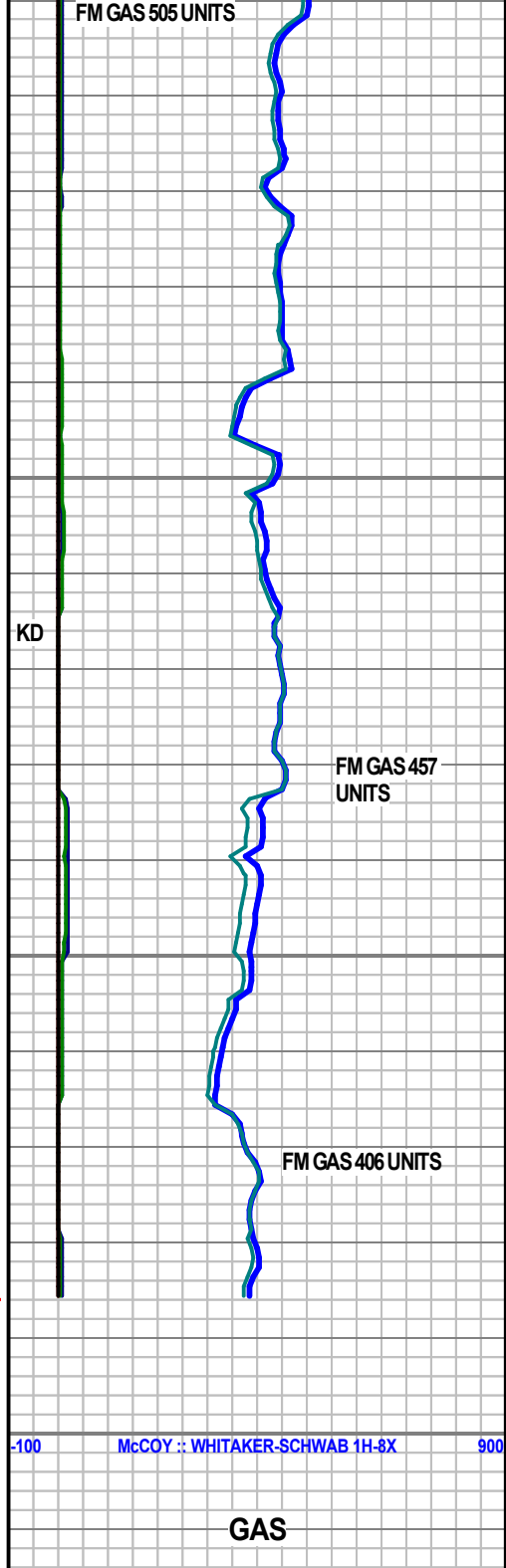
IMBDD DOLO RHOMBS, TR CRIN FRAGS, SCAT OOLTC, SCAT BRYZOA, SCAT BRN TO DK BRN SPOT STAIN, NO ODOR, SM MOLDC POR, SCAT PP POR, OCC XLN POR, SM DULL DK YEL FLOR, TR TO OCC YEL FLOR, V/GD IMMD STRMNG PALE YEL CUT, FR LRG HVY YEL RES RING

LS: VLT CRM TO SCAT OFF WHT, SM CRM, TR DK CRM, OCC WHT, TR OPQ TO TRNSL, OCC VLT TAN TO TAN MOTT, MOD FRM, TR FRM, SM BRTL, SM CRMBLY, TR BRN TO DK BRN MOTT, FN TO V/FN XLN, TR MICRO XLN, TR FN SUC TXT, CHNKY, SM PLTY, OCC BLKY, SCAT TO SM ARG, SM DOLO CMT, DECRSING INTRBD DOLO, TR FN EUHED DRSY CALCITE, OCC MED IMBDD DOLO RHOMBS, OCC GLAUC, SCAT CRIN FRAGS, SCAT OOLTC, TR BIOCLST WOCC BRYZOA, TR TAN TO BRN SPOT STAIN, TR ASPHLTC STRKS, NO ODOR, SM MOLDC POR, TR TO SCAT VUG TO PP POR, TR FN TO HAIRLINE FRAC, SM DULL DK YEL FLOR WOCC YEL, FR TO TR GD SLO STRMNG PALE YEL CUT, FR TO OCC MOD GD SPTTY YEL RES RING

LS: LT CRM, SM OFF WHT, SM VLT CRM, TR TAN TO DK TAN MOTT, TR GY MOTT, MOD FRM, TR FRM, BRTL, TR CRMBLY, V/FN TO MICRO XLN, DECRSING FN SUC TXT, PLTY, SM CHNKY, TR BLKY, SCAT ARG, SCAT DOLO CMT, TR TO SCAT INTRBD/LAM DOLO, OCC PYR INC., OCC AHNED CALCITE FL, OCC GLAUC, SCAT OOLTC WOCC V/FN SUC DOLC MTX, TR BRYZOA, OCC INTRBD SH, TR DK BRN TO BLK SPOT STAIN, NO ODOR, DECRSE MOLDC POR, TR FRAC POR W/SM HAIRLINE, OCC XLN POR, SM DULL DK YEL FLOR, OCC YEL FLOR, SLO MOD GD STRMNG PALE YEL CUT, FR SPTTY YEL RES RING

DRILLER'S TD @ 9786' MD  
5287' TVD -2452' SS ON 10/01/2019

McCOY PETROLEUM CORPORATION  
WHITAKER-SCHWAB #1H-8X  
SEC. 8-30S-30W MEADE CO., KS  
GL: 2814' KB: 2835'



McCOY : WHITAKER-SCHWAB 1H-8X

GAS

API: 15-119-21441-01

SHL: 330' FSL & 1320' FWL OF S2 S2  
S2 SW OF SEC. 8-30S-30W MEADE  
CO., KS



9850