

### DATOS DE POZO

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| NOMBRE DE POZO / CLASIFICACIÓN      | LO16 - 29D / DEVELOPMENT              |
| TIPO DE CONTRATO                    | SERVICES                              |
| PROFUNDIDAD MEDIDA TOTAL, f         | 7859.0                                |
| PROFUNDIDAD VERTICAL TOTAL (TVD), f | 5461.9                                |
| COMPAÑÍAS: OPERADORA / SERVICIOS    | SAVIA / TGT-LAB.S.A.C.                |
| PAÍS / ESTADO / MUNICIPIO           | PERU / PIURA                          |
| CAMPO                               | LOBITOS OFFSHORE                      |
| COORDENADAS DE SUPERFICIE           | 9505994.60 / 459446.50                |
| INICIO PERFORACIÓN                  | 25-Ene-14                             |
| TERMINÓ PERFORACIÓN                 | 18-Feb-14                             |
| INTERVALO REGISTRADO                | 480 ft - 7859 ft                      |
| EQUIPO DE PERFORACIÓN               | PEPESA 44                             |
| ELEVACIÓN DE LA MESA ROTARIA, f     | 50.00                                 |
| ELEVACIÓN DEL TERRENO (GL), f       | -309.00                               |
| COORDENADAS DE FONDO                | 9506931.24/458199.47                  |
| GRUPO DE TRABAJO                    | OMAR OJEDA/ALAN PELLEGRIN/GUSTAVO.... |
| GEÓLOGO DE ÁREA                     | JOSE CORONADO                         |
| NOTA                                | MUD TYPE: KLA-SHIELD                  |



### Tipos de Roca

|                                                                                                    |                                                                                               |                                                                                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|  Esquisto           |  Caliza      |  Dolomita    |
|  Arcilla           |  Limolita   |  Arenisca   |
|  Conglomerado     |  Arena     |  Argilita  |
|  Filita           |  Pizarra   |  Cuarcita  |
|  Intrusiva        |  Cuarzo    |  Anhidrita |
|  Esquisto         |  Volcánica |  Toba      |
|  Brecha Volcánica |  Otros     |                                                                                               |

### Abreviaciones de Lodo

|     |                                  |     |                                |
|-----|----------------------------------|-----|--------------------------------|
| MW  | Peso de Lodo (ppg)               | NB  | Broca Nueva                    |
| V   | Viscosidad (Sec/qt)              | ST  | Viaje Corto                    |
| PV  | Viscosidad Plástica (cp)         | DST | Prueba de Pozo (DST)           |
| YP  | Punto de Cedencia (lb/100ft^2)   | LAT | Perforando Después de Viaje    |
| WL  | Filtrado (cc)                    | WOB | Peso sobre la Broca (klbsf)    |
| Gel | Gel (10 sec/10 min)              | RPM | Revoluciones por Minuto (rpm)  |
| MC  | Torta (API)                      | PP  | Presión de Bomba (psi)         |
| Sal | Salinidad (mg/lit)               | SPM | Golpes de Bomba por Min. (spm) |
| pH  | Potencial de Hidrógeno (pH)      | GPM | Galones por Minuto             |
| Rm  | Resistividad de Lodo (Ohm*m)     | FG  | Gas de Formación               |
| Rmf | Resistividad Filtrado (Ohm*m)    | TG  | Gas de Viaje                   |
| Rmc | Resistividad de la Torta (Ohm*m) | GC  | Gas de Conexión                |
| LC  | Pérdida de Circulación (Bbbls)   | SG  | Gas de Suabeo                  |
| O/W | Relación Aceite / Agua (%)       | SWC | Corazón de Pared               |

### Trazas

|                                                                                              |                                                                                                       |                                                                                                        |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  ANHIDRITA  |  CALCITA           |  CHERT              |
|  CLORITA    |  CARBÓN            |  DOLOMITA           |
|  FELDESPATO |  CALCITA FIBROSA   |  FÓSILES            |
|  GLAUCONITA |  YESO              |  HEMATITA           |
|  ARCILLA F. |  ÓXIDO DE HIERRO   |  CAOLINITA          |
|  LIGNITO    |  CALIZA            |  LIMONITA           |
|  MARGA      |  FALLA INVERSA     |  MICA               |
|  MUSCOVITA  |  ÓPALO             |  PELLETS            |
|  FOSFATOS   |  RESTOS DE PLANTAS |  PIRITA             |
|  BENTONITA  |  SIDERITA          |  ASFALTO            |
|  MILONITA   |  FORAMINÍFEROS     |  FRAGMENTOS DE C... |

### Manifestaciones de Aceite

|                                                                                                     |                                                                                                        |                                                                                                     |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|  MUY POBRE (10%) |  POBRE (25%)      |  REGULAR (50%) |
|  BUENO (75%)     |  MUY BUENO (100%) |                                                                                                     |

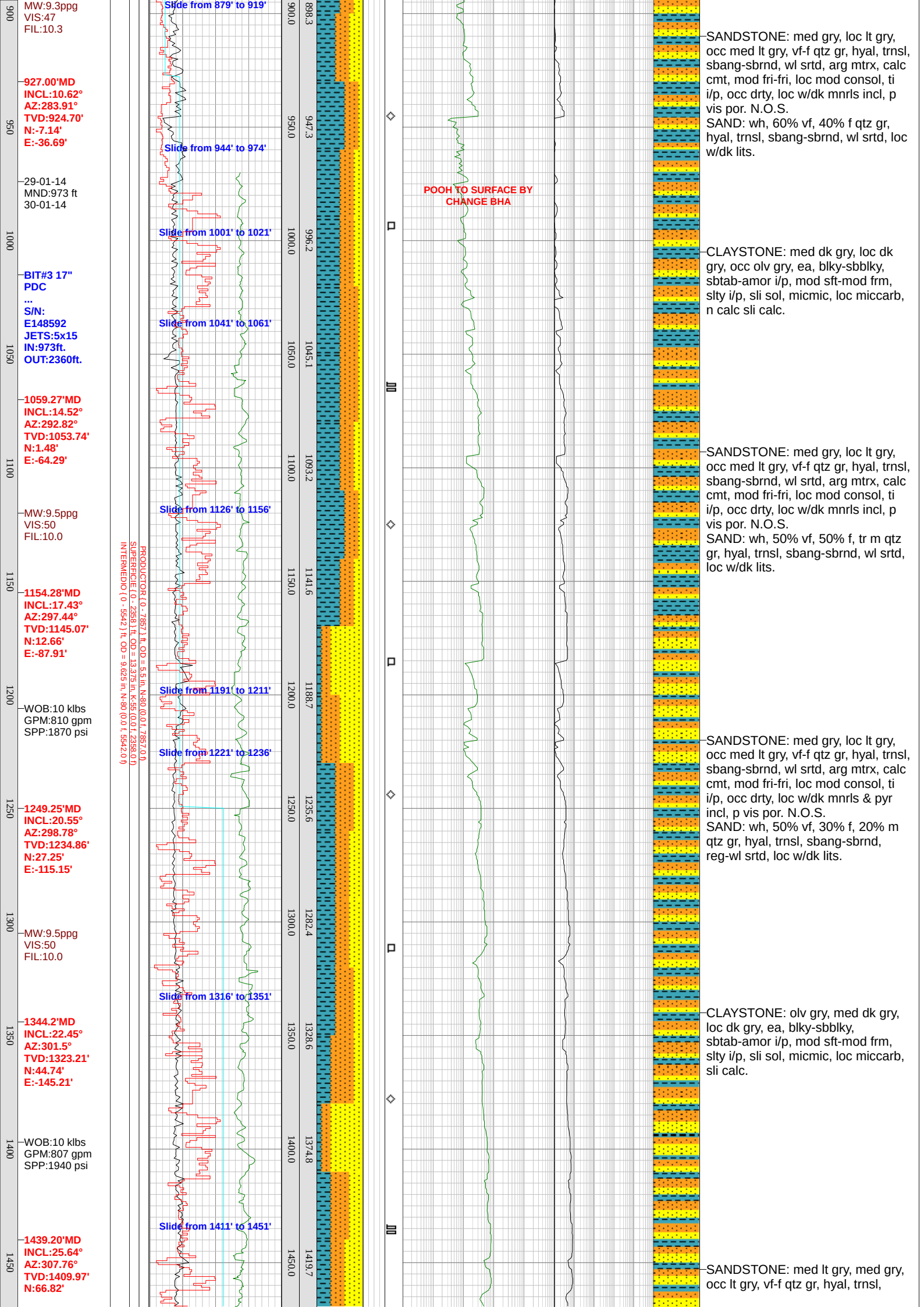
### Muestra Contaminada

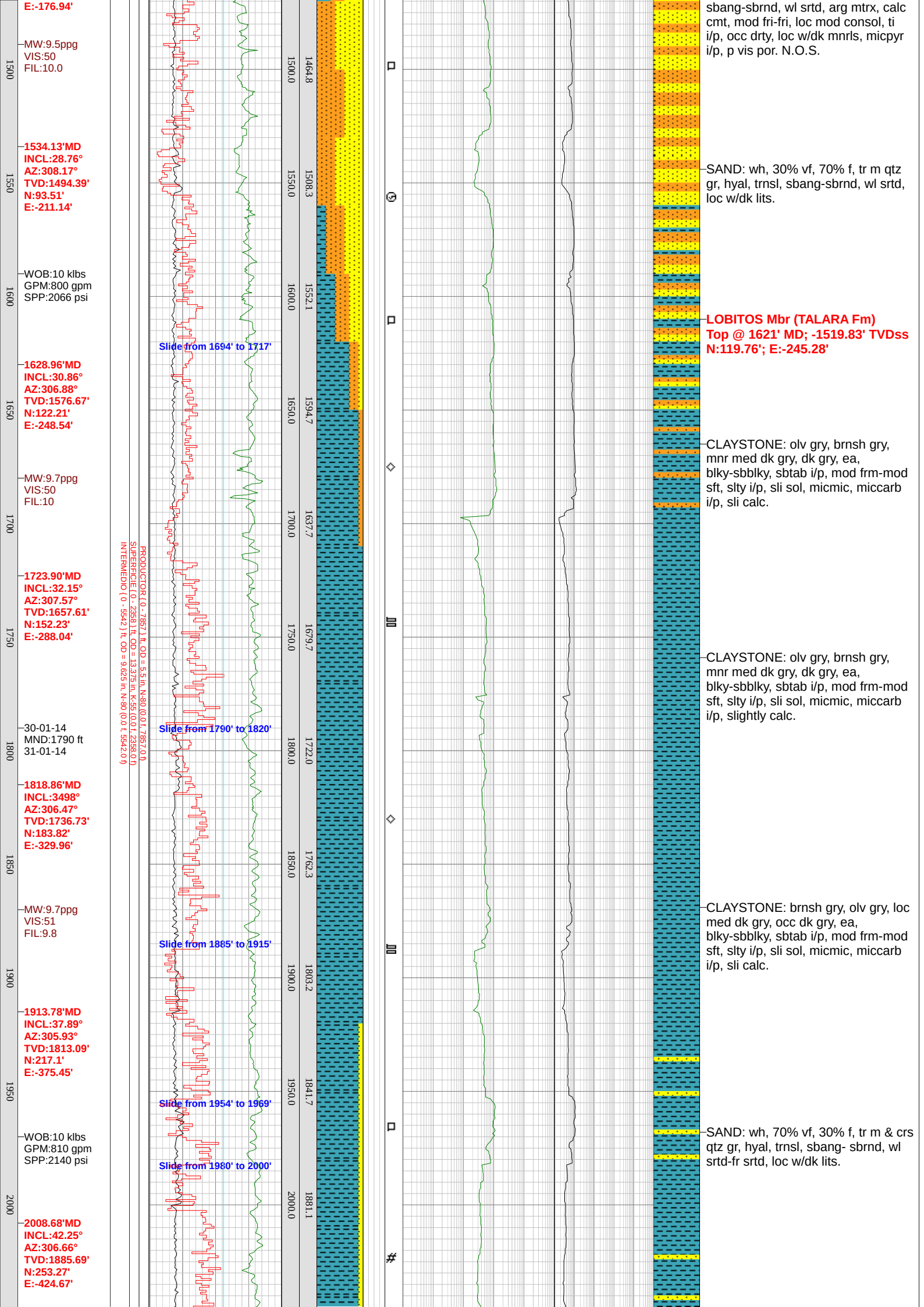
|                                                                                                    |                                                                                                       |                                                                                                         |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|  MUY BAJO (10%) |  BAJO (10-30)%   |  MODERADO (30-50)% |
|  ALTO (50-70)%  |  MUY ALTO (>70)% |                                                                                                         |

### Símbolos Generales

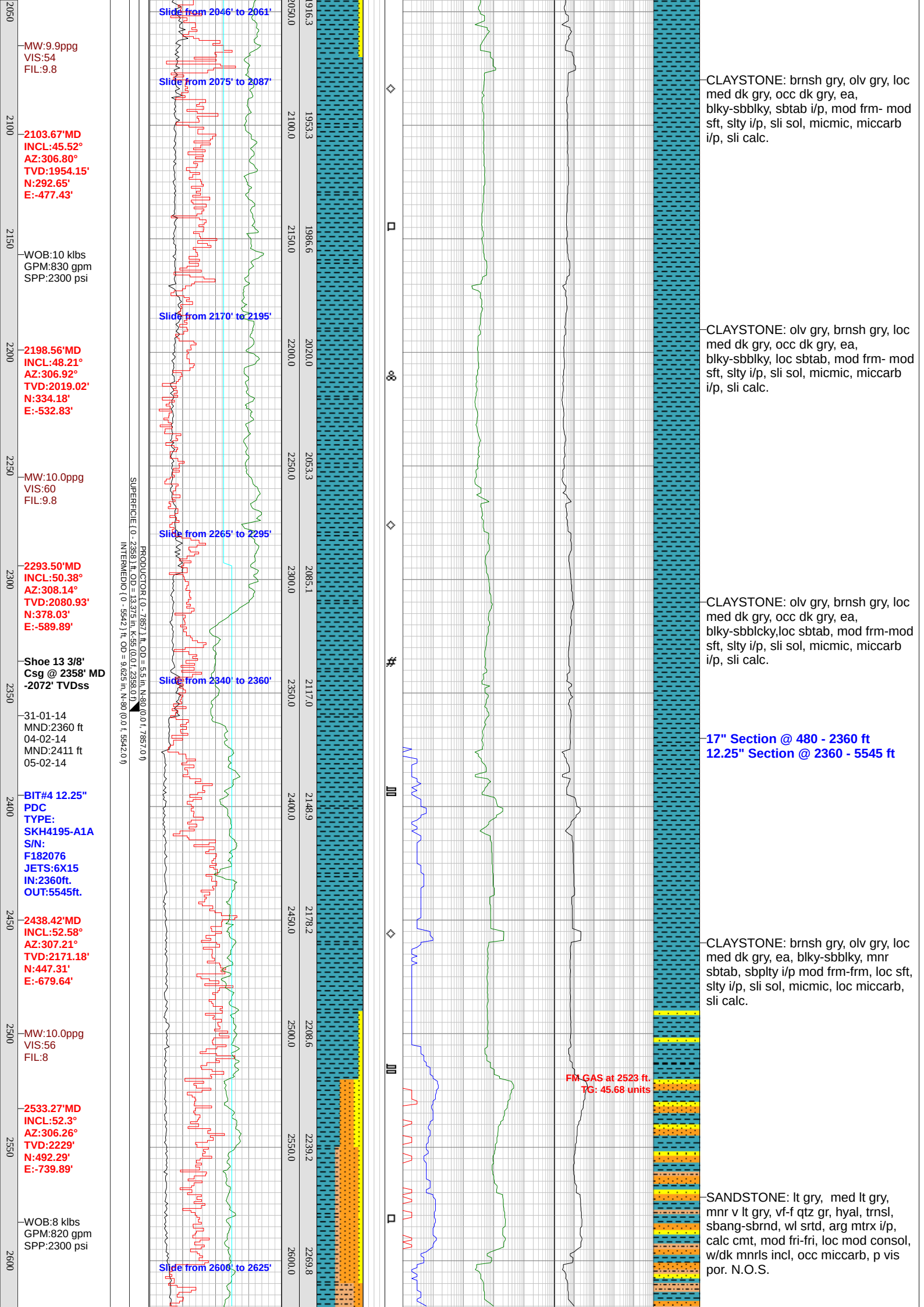
|                                                                                                    |                                                                                                       |                                                                                                             |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|  SWC con aceite   |  SWC sin aceite    |  Zapato de Revestimiento |
|  Falla Normal     |  Falla Inversa     |  Ganancia de Lodo        |
|  Pérdida de Lodo  |  Cambio de Broca   |  Desviación              |
|  Gas de Formación |  Gas de Background |  Gas de viaje o Suaveo   |
|  Gas de Conexión  |  Gas H2S           |  Gas CO2                 |

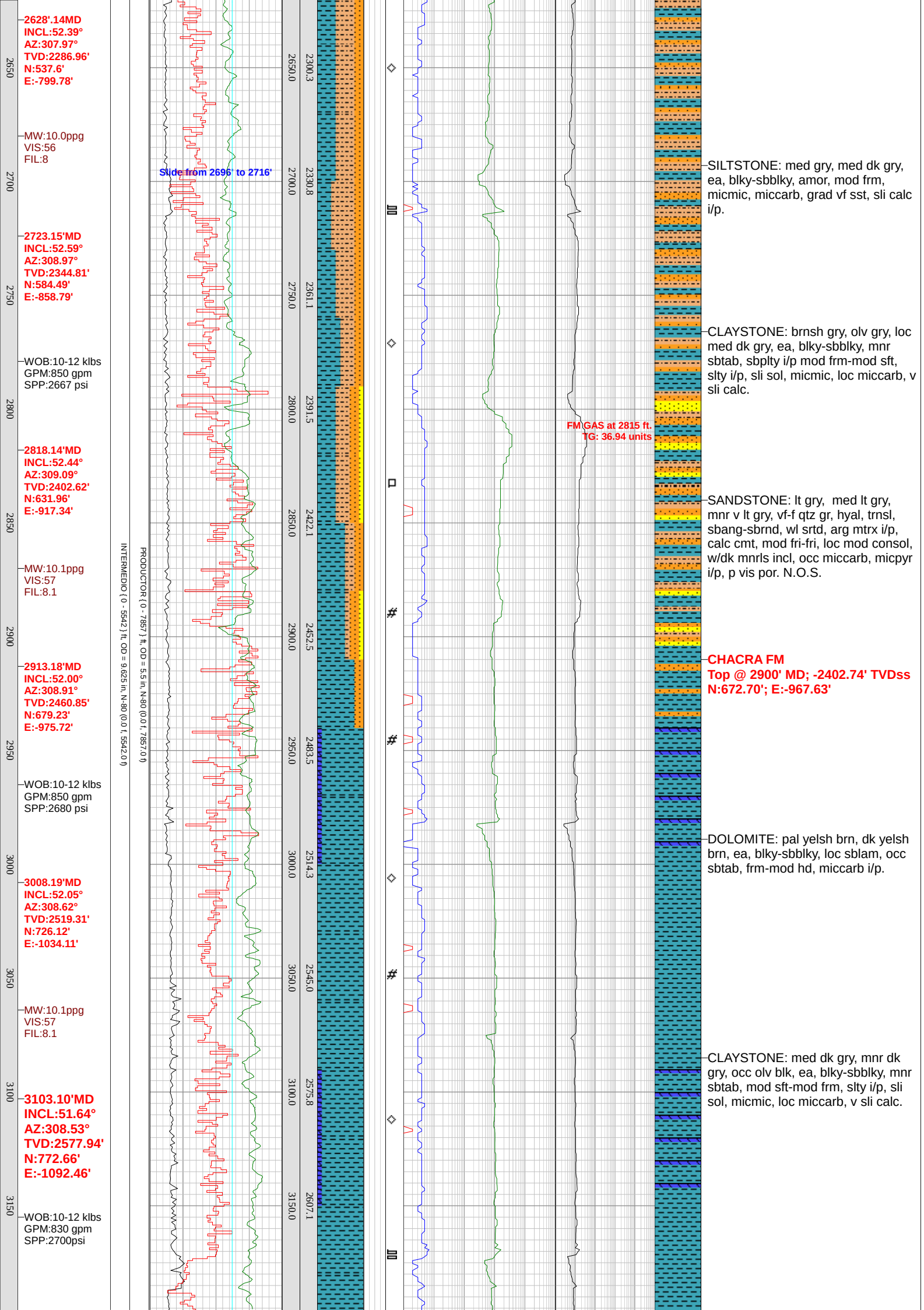
| POZO: LO16 - 29D... Intervalo del Gráfico {400 ft, 7900 ft}... ESCALA: 1 : 500 |          |        |                                |    |     |     |     |                 |                   |           |             |                             |    |     |      |      |               |   |    |     |      |                       |                       |  |  |
|--------------------------------------------------------------------------------|----------|--------|--------------------------------|----|-----|-----|-----|-----------------|-------------------|-----------|-------------|-----------------------------|----|-----|------|------|---------------|---|----|-----|------|-----------------------|-----------------------|--|--|
| MD, f                                                                          | COMMENTS | CASING | Drilling-1                     |    |     |     |     | PROFUNDIDAD TVD | PERCENT LITHOLOGY | OIL SHOWS | ACCESSORIES | Chromatography              |    |     |      |      | TOTAL GAS UND |   |    |     |      | INTERPRETED LITHOLOGY | LITHOLOGY DESCRIPTION |  |  |
|                                                                                |          |        | WOBK, ton                      |    |     |     |     |                 |                   |           |             | Methane - C1, ppm (C1)      |    |     |      |      | GU, units     |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        | ROP, ft/hr                     |    |     |     |     |                 |                   |           |             | Ethane - C2, ppm (C2)       |    |     |      |      |               |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        | Gamma Ray, GAPI (GR)           |    |     |     |     |                 |                   |           |             | Propane - C3, ppm (C3)      |    |     |      |      |               |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        | Well Inclination, deg (WI)     |    |     |     |     |                 |                   |           |             | Nor-Butane - NC4, ppm (NC4) |    |     |      |      |               |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        | 0                              | 13 | 25  | 38  | 50  |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          | 1 | 10 | 100 | 1000 | 1E+4                  | 1E+5                  |  |  |
|                                                                                |          |        | 0                              | 88 | 175 | 263 | 350 |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        | 0.00 42.50 85.00 127.50 170.00 |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        | 0.0 22.5 45.0 67.5 90.0        |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             | 1                           | 10 | 100 | 1000 | 1E+4 | 1E+5          |   |    |     |      |                       |                       |  |  |
|                                                                                |          |        |                                |    |     |     |     |                 |                   |           |             |                             |    |     |      |      |               |   |    |     |      |                       |                       |  |  |

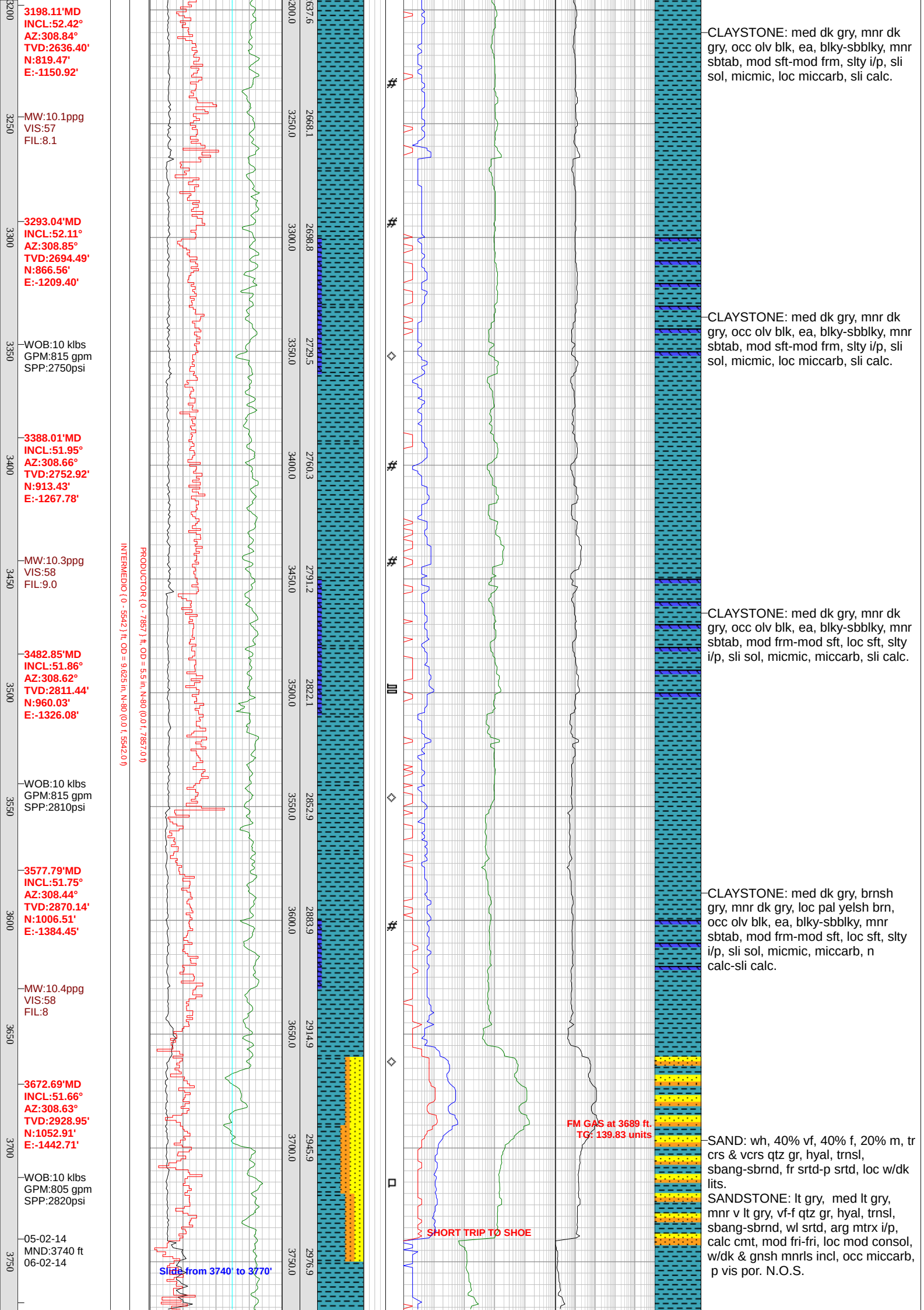


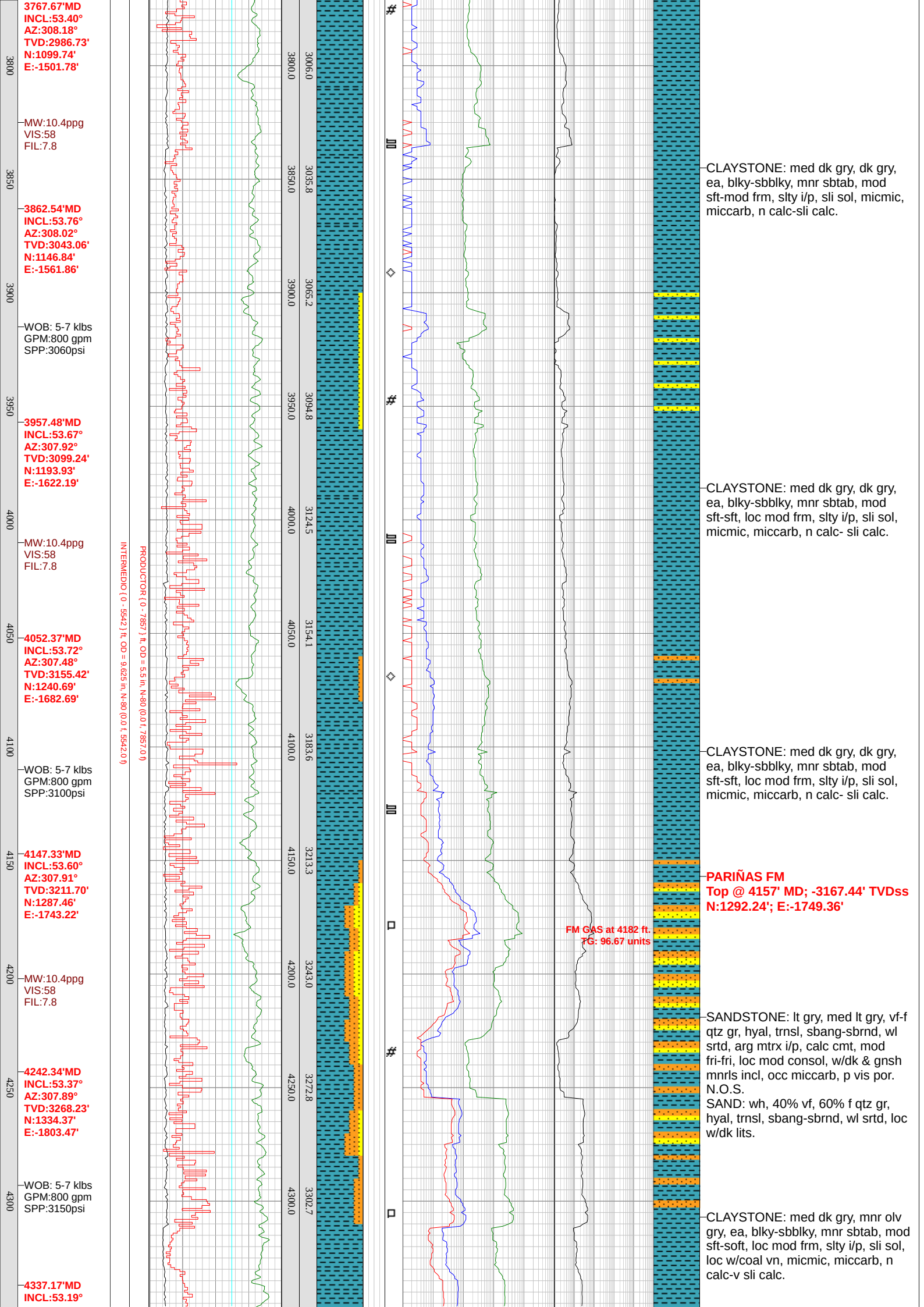




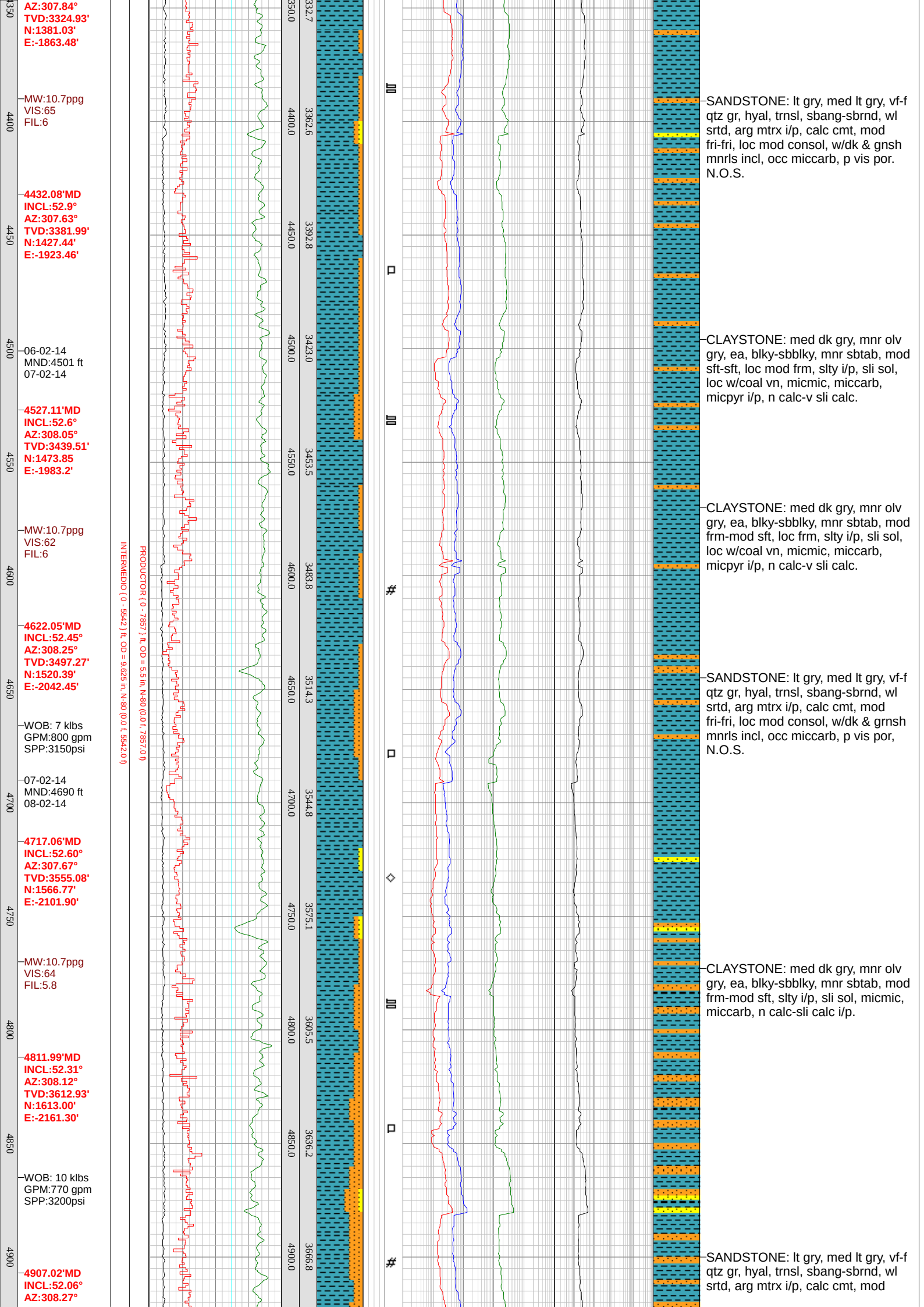




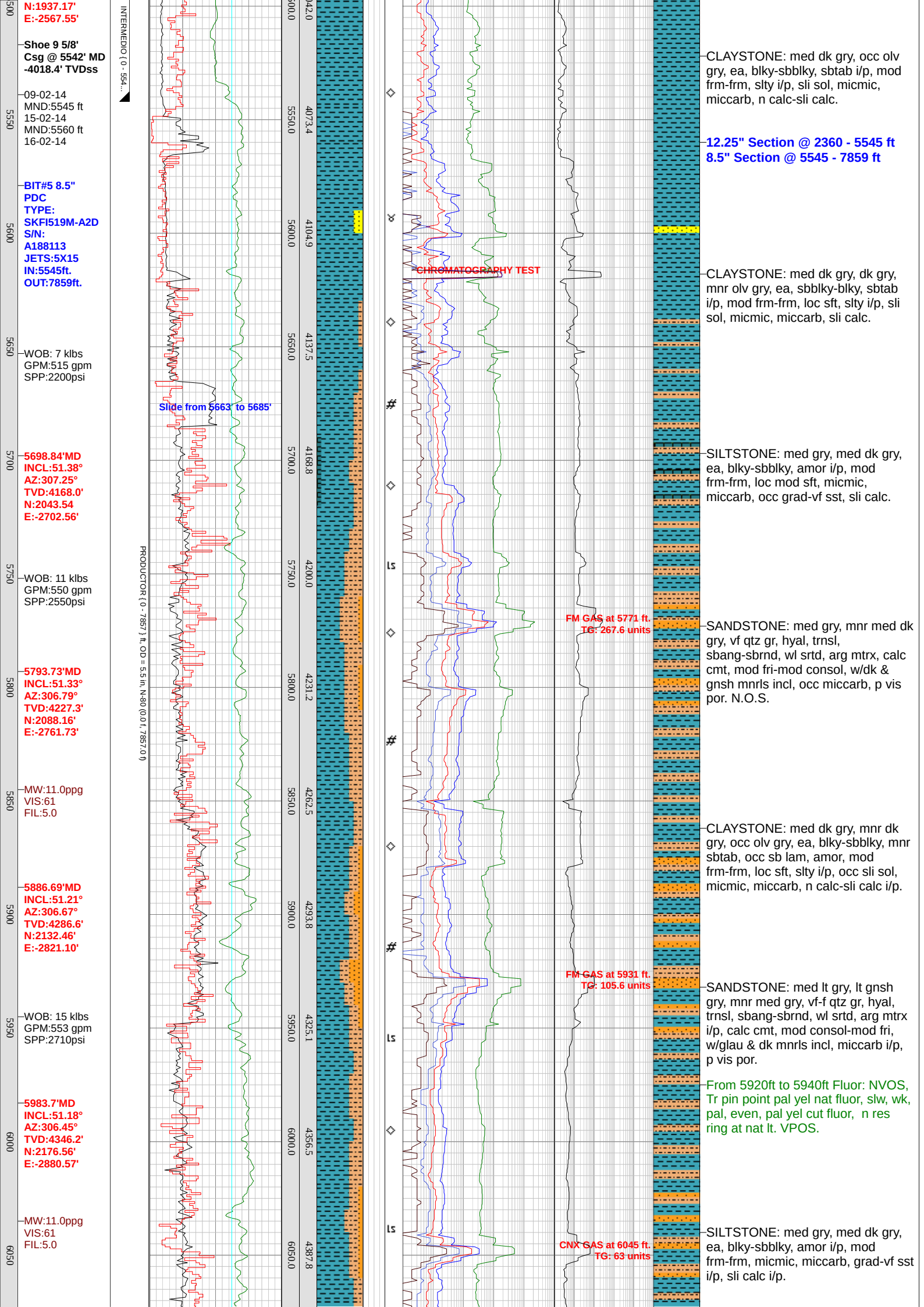


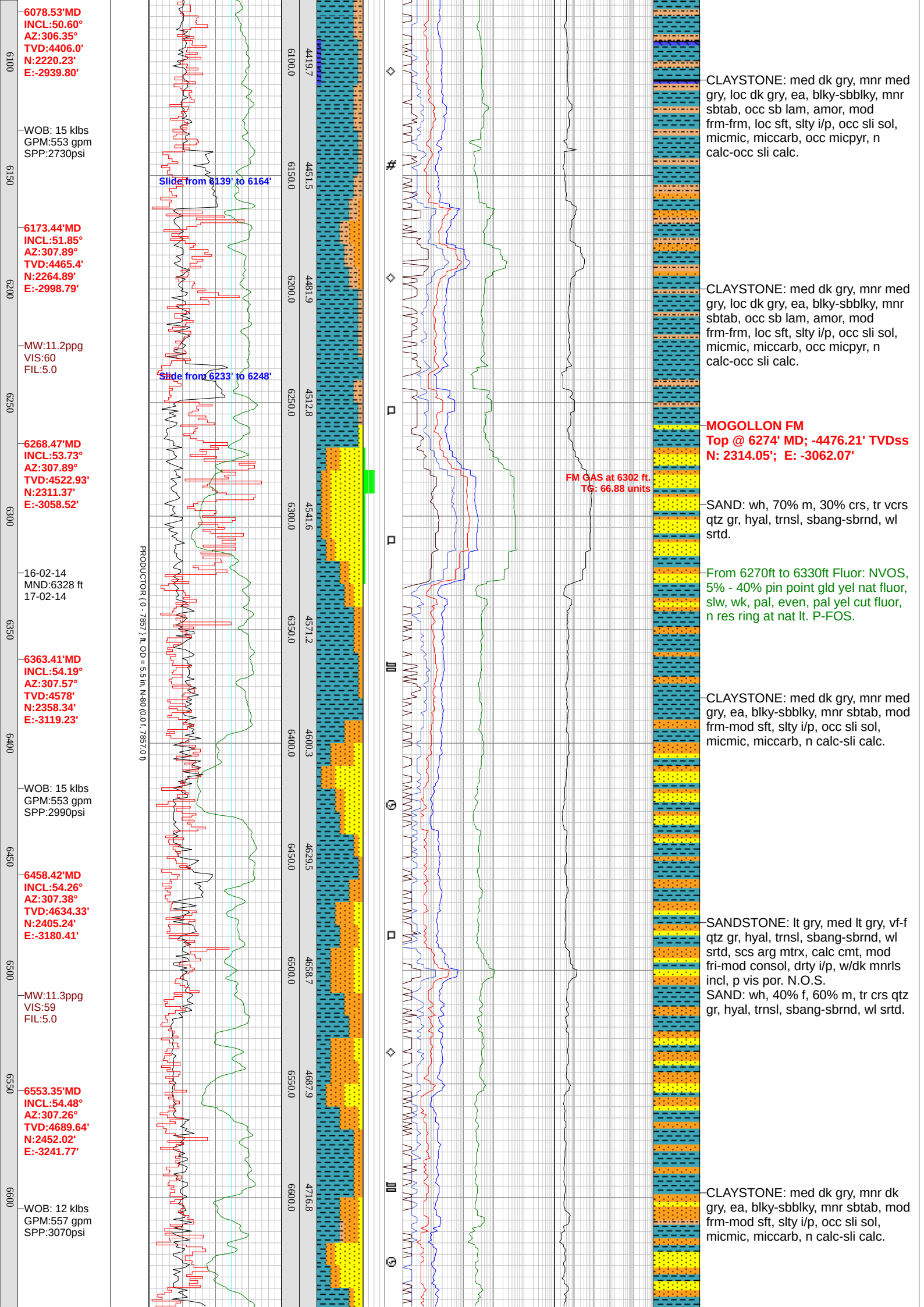




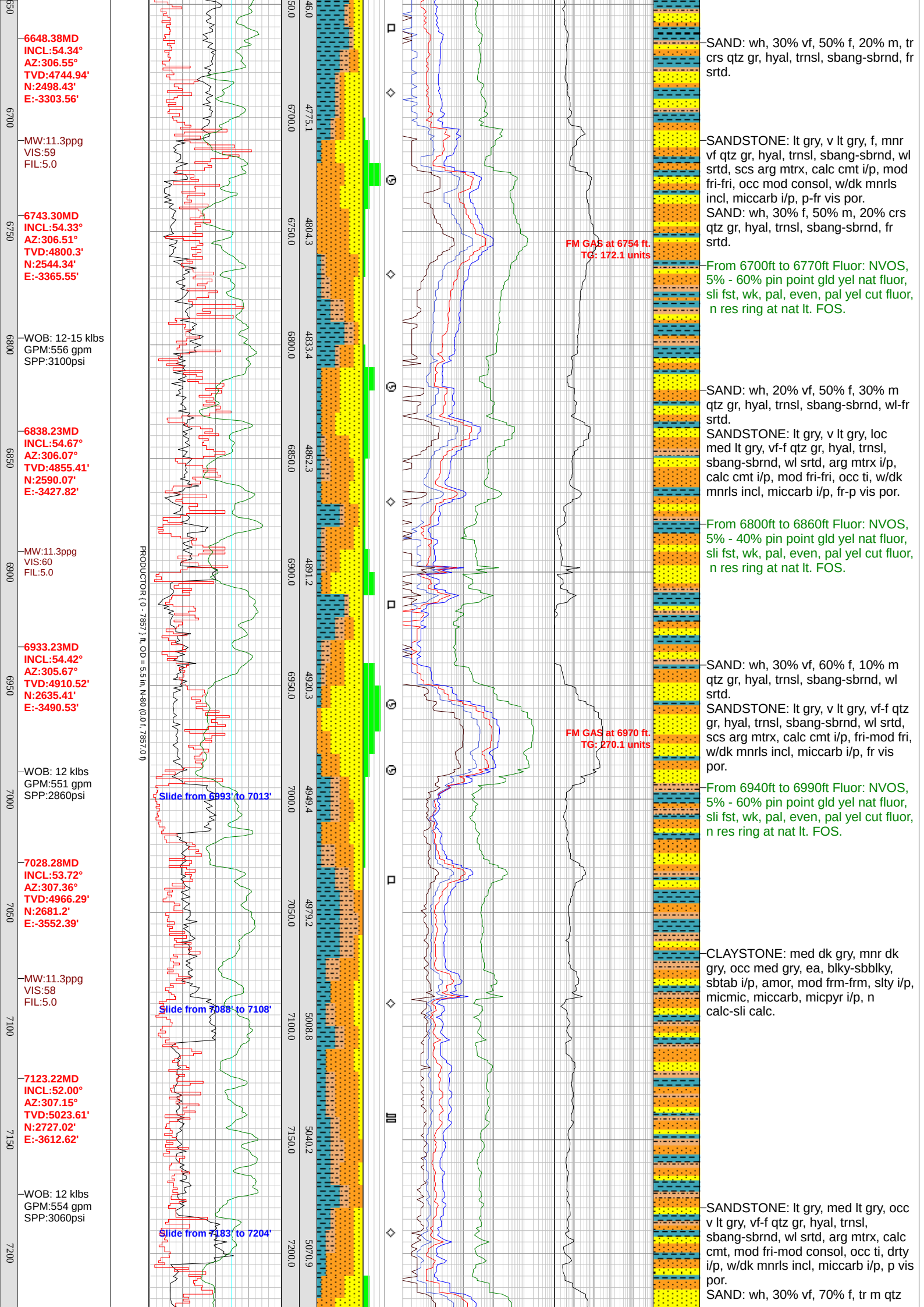


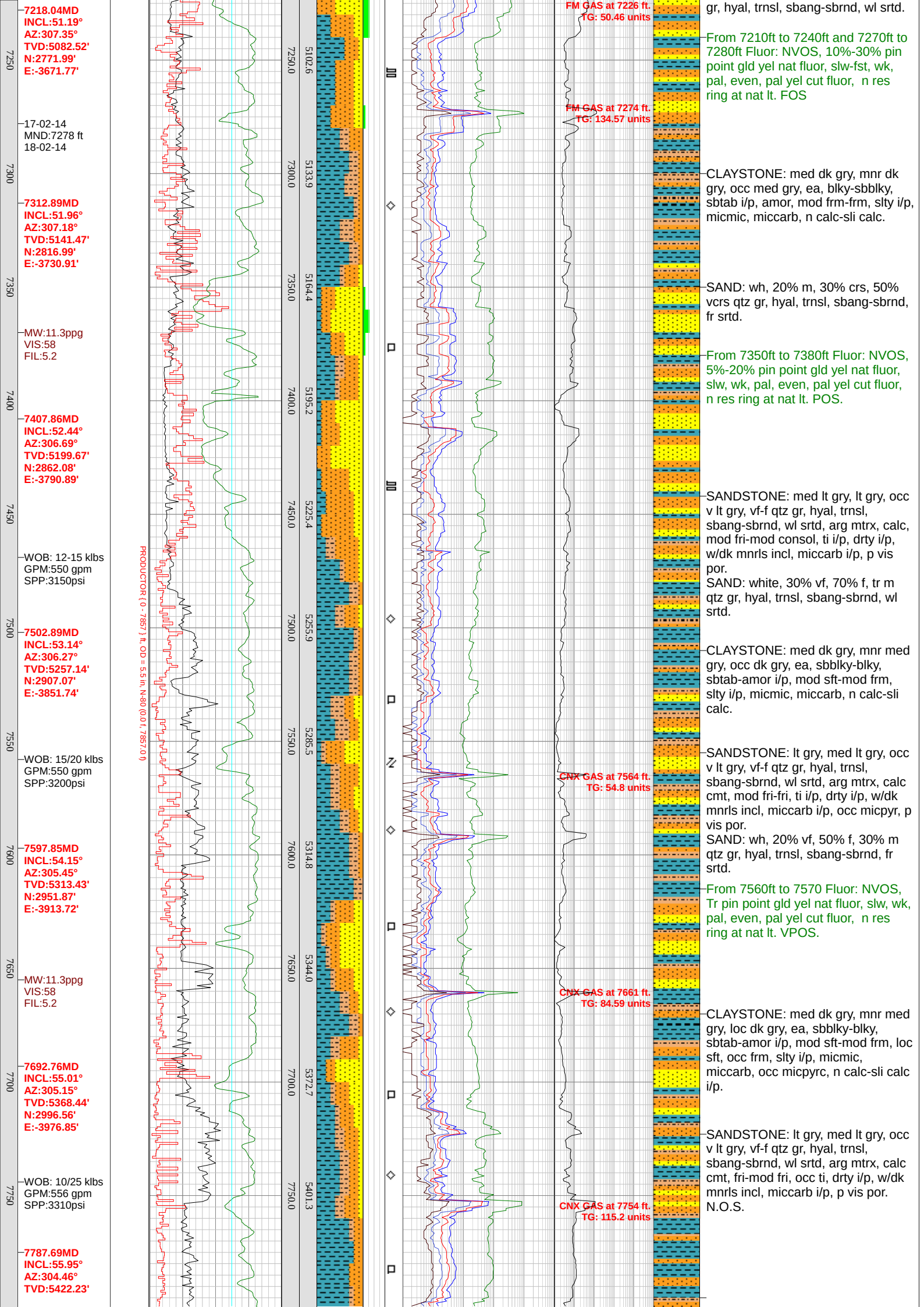












CLAYSTONE: med dk gry, mnr med gry, ea, sbblky-blky, sbtab i/p, mnr amor, mod frm-mod sft, loc sft, slty i/p, micmic, miccarb, n calc-sli calc i/p.