### WITS\_WITSML Record 23 Well Identification

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| **WITS Record ID:** 23 | **Logical Record Type:** 173 | **Auto/Manual:** Manual |
| **Trigger:** [EVENT] Transmission is operator-initiated | | |
| **Data Source:** Manually entered data reported at the start and end of each bit run. Record is sent when new data values are available. | | |
| **Data Typology:** Reference (Ref), Date\_Time\_Stamp(Dts), Real-time-Measure (Rtm), Real-time-Signal (Rts), Limit (Lim), Set-Point (Spt), Calculation (Cal), Distribution (Dis), Command (Com), Parameter (Par), Synthetic Value (Syn), Alarm (Alm), Interpreted (Int), Modeled (Mod), Observed (Obs), Code (Cod), Count (Cnt), Cumulative (Cml), Status (Sta), Expected (Exp), Estimated (Est) | | |
| **Data Field Types:** A = Alphanumeric String, L = 32 bit 2's complement signed integer, S = 16 bit 2's complement signed integer, F = 32 bit IEEE single precision floating point, E = Engineering, B = Boolean (1 if True and 0 if False), D = Date, T = Time, V = Variant, IL = Integer List, FL = Float List, EL = Engineering List, TL = Text List | | |
| **Reserved Characters:** Comma (,) - Separates Fields, Semi Colon (;) - Separates Items in a Standard Record, Colon (:) - Separates items in Date and Time Fields, Ampersand (&) - Separates items in a List | | |
| **Data Mnemonic Abbreviations:** Raw (Raw), Average (Avg), Max (Max), Min (Min), Mean (Men), Root-Mean-Square (Rms), Percent (Pct), Error (Err), Correlation (Cor), Probability (Prob), Variance (Var), Spread (Spd), Mean-Absolute-Deviation (Mad), Ratio (Rat), Standard Deviation (Std), Mode (Mod), Weighted Mean (Wtm), Dispersion (Dis), Product (Pro), Sum (Sum), Cumulative Sum (Csm), Corrected (Cor), Adjusted (Adj), Instantaneous (Ins), State (Sta), Observed (Obs), Expected (Exp), Observed-Cumulative (ObC), Expected-Cumulative (ExC), Total (Tot), Reported (Rep), Interpolated (Itp), Period (Per), Currency (Cur) | | |

| WITS  Record / Item | Description | STD WITS Long Mnemonic | Operator Mnemonic for WITSML & OSIsoft PI & ODA | Field Type | Length | Typology | Transmit Units (FPS) | Transmit Units (Metric) | Data System Type |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2301 | Well Identifier | WELLID | WID | A | 16 | Ref | ---- | ---- | Unique Well ID |
| 2302 | Sidetrack/Hole Sect No. | STKNUM | SKNO | S | 2 | Ref | ---- | ---- | Unique Wellbore ID |
| 2303 | Record Identifier | RECID | RID | S | 2 | Ref | ---- | ---- | Identification |
| 2304 | Sequence Identifier | SEQID | SQID | L | 4 | Ref | ---- | ---- | Identification |
| 2305 | Date | DATE | DATE | L | 4 | Dts | ---- | ---- | Date |
| 2306 | Time | TIME | TIME | L | 4 | Dts | ---- | ---- | Time |
| 2307 | Activity Code | ACTCOD | ACTC | S | 2 | Cod | ---- | ---- | Activity |
| 2308 | Well Name | WELLNAME | WELL | A | 32 | Ref | ---- | ---- | Reference |
| 2309 | Well Identification Number | WELLNUM | WNUM | A | 16 | Ref | ---- | ---- | Reference |
| 2310 | Operator | OPERATOR | OPER | A | 32 | Ref | ---- | ---- | Reference |
| 2311 | Well Classification (Lahee) | WELLCLAS | WCLS | A | 16 | Ref | ---- | ---- | Reference |
| 2312 | Well Location | LOCATION | WLOC | A | 32 | Ref | ---- | ---- | Reference |
| 2313 | Well Univ.Tran.Mercator | WELLUTM | WUTM | A | 16 | Ref | ---- | ---- | Reference |
| 2314 | Well Surface Latitude | WELLLAT | WLAT | A | 16 | Ref | ---- | ---- | Reference |
| 2315 | Well Surface Longitude | WELLLON | WLON | A | 16 | Ref | ---- | ---- | Reference |
| 2316 | Field Name | FIELD | FLD | A | 32 | Ref | ---- | ---- | Reference |
| 2317 | Elev : Datum-MSL | ELEVDP | ELDP | F | 4 | Ref | F | M | Distance |
| 2318 | Elev : Kelly Bushing-MSL | ELEVKB | ELKB | F | 4 | Ref | F | M | Elevation |
| 2319 | Elev : Ground Level-MSL | ELEVGL | ELGL | F | 4 | Ref | F | M | Elevation |
| 2320 | Water Depth (mean) | WATDEPT | WDPM | F | 4 | Ref | F | M | Area |
| 2321 | Spud Date | SPUDDATE | SPDT | L | 4 | Dts | ---- | ---- | Date |
| 2322 | Custom Field 01 Identifier | CUS1 | CUS1 | A | 32 |  | ---- | ---- | Custom |
| 2323 | Custom Field 02 Identifier | CUS2 | CUS2 | A | 32 |  | ---- | ---- | Custom |
| 2324 | Custom Field 03 Identifier | CUS3 | CUS3 | A | 32 |  | ---- | ---- | Custom |
| 2325 | Custom Field 04 Identifier | CUS4 | CUS4 | A | 32 |  | ---- | ---- | Custom |
| 2326 | Custom Field 05 Identifier | CUS5 | CUS5 | A | 32 |  | ---- | ---- | Custom |
| 2327 | Custom Field 06 Identifier | CUS6 | CUS6 | A | 32 |  | ---- | ---- | Custom |
| 2328 | Custom Field 07 Identifier | CUS7 | CUS7 | A | 32 |  | ---- | ---- | Custom |
| 2329 | Custom Field 08 Identifier | CUS8 | CUS8 | A | 32 |  | ---- | ---- | Custom |
| 2330 | Custom Field 09 Identifier | CUS9 | CUS9 | A | 32 |  | ---- | ---- | Custom |
| 2331 | Custom Field 10 Identifier | CUS0 | CUS0 | A | 32 |  | ---- | ---- | Custom |
| 2332 | Units Type used | UNIT | UNIT | A | 8 |  | ---- | ---- | Units |
| 2333 | Time Zone Offset | TOFFSET | TOFF | L | 4 | Dts | ---- | ---- | Time |
| 2334 | < SPARE 1 > | SPARE1 | SPR1 | F | 4 |  | ---- | ---- | Spare |
| 2335 | < SPARE 2 > | SPARE2 | SPR2 | F | 4 |  | ---- | ---- | Spare |
| 2336 | < SPARE 3 > | SPARE3 | SPR3 | F | 4 |  | ---- | ---- | Spare |
| 2337 | < SPARE 4 > | SPARE4 | SPR4 | F | 4 |  | ---- | ---- | Spare |