

Digital Well Database Output Format for Oil & Gas Wells

Header Information:

This list contains location and identification information that is usually entered from the original permit. Other items included are entered from many sources including the completion report, plugging affidavit and scout tickets. Currently there are over 190,000 Oil & Gas wells in this ISGS database.

Item Name	Item Description	Item Format
API_NUMBER	12 digit number assigned by the ISGS Consists of "12" - state code /three digit county code/ 5 digit unique number/2 digit re-drill code	CHAR(12)
LATITUDE	Latitude, decimal degrees, NAD83	NUMBER(9,6)
LONGITUDE	Longitude, decimal degrees, NAD83	NUMBER(9,6)
TDFORMATION	Total depth formation	CHAR(8)
PRODFORM	Producing formation	CHAR(8)
TOTAL_DEPTH	Total depth	NUMBER(5)
SECTION	Well location - section	NUMBER(2)
TWP	Well location - township	NUMBER(2)
TDIR	Well location - township direction	CHAR(1)
RNG	Well location - range	NUMBER(2)
RDIR	Well location - range direction	CHAR(1)
NSFOOT	footage N or S from corner or line	NUMBER(5)
NSDIR	Direction (N or S) for NSFOOT	CHAR(1)
EWFOOT	footage E or W from corner or line	NUMBER(5)
EWDIR	Direction (E or W) for EWFOOT	CHAR(1)
CORNER	Corner for footage directions, blank if footage from a line	CHAR(2)
QUARTERS	if location subdivided into quarters	CHAR(8)
ELEVATION	Elevation	NUMBER(5)
ELEVREF	Elevation Reference	CHAR(2)
COMP_DATE	Completion date 'YYYYMMDD'	DATE
STATUS	Well status code	CHAR(6)
FARM_NAME	Well name	CHAR(35)
FARM_NUM	Well number	CHAR(10)
COMPANY_NAME	Company name	CHAR(35)
PERMIT_NUMBER	State assigned number - NOT unique	CHAR(7)

Item Name	Item Description	Item Format
PERMIT_DATE	Permit issue date 'YYYYMMDD'	DATE
PLUG_DATE	Date of well plugging 'YYYYMMDD'	DATE
FIELD_CODE	Field code number	NUMBER(4)
MERIDIAN	Meridian 2, 3 or 4	NUMBER(1)
IPBO	Initial Production - Barrels of Oil	NUMBER(4)
IPBW	Initial Production - Barrels of water	NUMBER(4)
IPMCF	Initial Production of gas in thousands of cubic feet	NUMBER(7)

Formation Tops Information:

This list contains formation tops information that is usually entered from the scout tickets. Many tops are added from Geologist picks from log information. Currently there are over 113,000 wells in the ISGS database with formation top information.

Item Name	Item Description	Item Format
API_NUMBER	12 digit number assigned by the ISGS Consists of "12" - state code /three digit county code/ 5 digit unique number/2 digit re-drill code	CHAR(12)
FMTOP	top of formation/unit	NUMBER(5)
FMBASE	base of formation/unit	NUMBER(5)
FORMATION_CODE	formation code top/unit	CHAR(8)

Pay Zone Information:

This list contains pay zone information that is usually entered from the scout tickets and completion reports. Currently there are over 86,000 wells in the ISGS database with pay zone information.

Item Name	Item Description	Item Format
API_NUMBER	12 digit number assigned by the ISGS Consists of "12" - state code /three digit county code/ 5 digit unique number/2 digit re-drill code	CHAR(12)
PAYTOP	top of pay zone/unit	NUMBER(5)
PAYBASE	base of pay zone/unit	NUMBER(5)
PAYSTRAT	formation code top/unit	CHAR(8)