

Table 1. Logic used to populate oil and gas well attributes, including wellsymb, Start, Stop and Status_2010. Source of well data is the Wyoming Oil and Gas Conservation Commission (WOGCC). Most column headings are attribute names that are described in the metadata document. Empty boxes indicate that either no information was available or that the information does not pertain to this logic.

[Null, no data, unknown, or data inapplicable; then, if preceding field is null use this field].

COAL_ BED	WELL_CLASS	wellsymb	STATUS	FORM2STAT	Number of wells	Comments	Start (spud date if < First_Comp, then)	Stop	Status_2010				
		5			30,091	Coalbed gas							
		4			38,707	Dry or unknown							
		3			1,381	Both oil and gas							
		2			18,072	Natural gas							
		1			24,809	Oil							
				DH		248							
	O	1	PO	Null, AI, DR, FL, GL, MW, PA, PH, PL, PR, PS, SI, TA	10,577		FirstComp, then StatusYear, then FormYear	FormYear, then StatusYear, then LastComp					
	G	2	PG	Null, FL, GL, PH, PL, PR, PS, SI, TA	12,238								
	Y		5	PG	Null, DR, FL, PH, PR, PS, SI, TA	17,138		FirstComp, then StatusYear		FormYear, if ≥ StatusYear and LastComp			
				AI	AI	2,929							
				DR	Null, DR, SI, TA	331							
				DR	AI, FL, GL, MW, PH, PR, PS	42						FirstComp	FormYear
				EP	Null, FL, PR, PS, SI, TA	20						FirstComp, then StatusYear	FormYear if ≥ StatusYear
				NI	Null, AI, DR, FL, GL, NI, PR, PS, SI, TA	1,642							FormYear, then StatusYear, then LastComp
				NO	Null, FL, SI	12						FirstComp	FormYear, then StatusYear
				TA	Null	65						FirstComp, then StatusYear	StatusYear, if > LastComp
				TA	< > Null and < > TA	566						FormYear	
				TA	TA	749						FormYear if ≥ StatusYear	
				PA	Null	37,925						StatusYear, if > LastComp	
				PA	DR, NI, PA, SI, SR, SW, TA	5,429						FormYear if ≥ StatusYear	
				AI	Null, AI, FL, MW, PR, PS, SI, TA	3,623						FormYear, then StatusYear, then LastComp	
				PG	Null, DR, FL, GL, PH, PL, PR, PS, SI, TA	29,368						FirstComp, then LastComp, then StatusYear	
				PS	FL, PR, PS, SI, TA	2,212						FirstComp, then StatusYear	FormYear
				SI	AI, FL, GL, MW, PH, PL, PR, PS	1,508						FormYear if ≥ StatusYear	
				SI	Null, DR, PA, SI, TA	8,626						FirstComp, if < StatusYear	FormYear if ≥ StatusYear
				SR	Null, DR, PA, SI, TA	2,626						FirstComp, if < StatusYear	FormYear if ≥ StatusYear, then LastComp
				SR	AI, FL, MW, PR, PS	100						FirstComp, then StatusDate	FormYear if ≥ StatusYear
				FL	FL, PL, PR, PS, SI	625	FormYear is ≥ StatusYear					FirstComp, then StatusDate	FormYear
		GL, PH, PL, PR, PS	Null, FL, GL, PH, PR, PS, SI, TA	2,587	FormYear is ≥ StatusYear, unless FormYear is Null (8 wells)	FirstComp, then StatusYear (8 wells)	FormYear, then StatusYear (8 wells)						
		AI, AP, DP, FL, GL, MW, PG, PH, PL, PO, PR, PS, SP	AI, FL, GL, MW, PH, PL, PR, PS	38,543	FormYear ≥ StatusYear, unless StatusYear is Null	FirstComp, if < StatusYear	FormYear						
		DH, DR, EP, NI, NO, NR, PA, SI, SO, SR, TA, UK	DR, NI, PA, SI, SR, TA	18,256	These wells are considered inactive.		FirstComp, then LastComp	StatusYear, FormYear and/or Lastcomp based on combinations of attributes					
Y		5, where SumGas > 0	6,365										
N		2, where SumGas > 0	1,214										
		4, where SumGas and SumOil = 0 or Null	3,290										
		O	1, where SumOil > 0 and GOR < 100	4,357									
		4, where SumGas and SumOil = 0 or Null	1,005										
Other than O or G		3, where SumGas and SumOil > 0 and GOR < 100	235										
4, where SumGas and SumOil = 0 or Null		1,416											
				SI	16,658	These wells are considered inactive. FormYear = 2010 and > StatusYear	FirstComp, then StatusYear						
		AI, AP, DP, FL, M, MW, PG, PL, PO, PR, PS, SP	SI	8,096		FirstComp	FormYear						
			AI, DP, MW, PG, PO, PR, PS, SP	DR, TA	136	These wells are considered inactive. FormYear = 2010 and ≥ StatusYear	FirstComp	FormYear					
			AI, FL, GL, MW, PH, PL, PR, PS	38,199	These wells are considered active. FormYear = 2010 and > StatusYear	FirstComp, then LastComp, then StatusYear	FormYear	Active					
				40,276	Stop date represents the last date of reported activity. For stop date = 2010, see Status_2010 to determine if active or not.		2010	Active					
				19,569			2010	Inactive					
				7,197	Some older wells are populated as Inactive in Status_2010.		1919 to 2009	Inactive					
				41,014	For many wells with stop dates < 2010, Status_2010 is Null because current activity is not definitive based on available data.		Null, 1914 to 2009	Null					

EXPLANATION

WELL_CLASS	
Classification of well from operator to WOGCC. Intent is to update as drilling progresses (source: WOGCC).	
Value	Definition
AP	Permit to drill
D	Disposal
G	Gas well
I	Injector well
M	Monitor well
MW	Monitor well (not for Form 2 Reporting)
NA	Not applicable
O	Oil well
S	Source well
ST	Strat test
WS	Water source

STATUS

Well status code (source: WOGCC).	
Value	Definition
AI	Active injector
AP	Permit to drill
DH	Dry hole
DP	Drilling or drilled permit
DR	Dormant
EP	Expired permit
FL	Flowing
GL	Gas lift
M	Monitor well
MW	Monitor well (not for Form 2 reporting)
NI	Notice of intent to abandon
NO	Denied or cancelled
NR	No report
PA	Permanently abandoned
PG	Producing gas well
PH	Pumping hydraulic
PL	Plunger lift
PO	Producing oil well
PR	Pumping rods
PS	Pumping submersible
S	Source well
SI	Shut-in
SO	Suspended operations
SP	Well spudded
SR	Subsequent report of abandonment
SW	Source well
TA	Temporarily abandoned
UK	Unknown
WS	Water source

FORM2STAT

Production status code—The status as of the last Form 2 (production report) that is received by the WOGCC from the operator (source: WOGCC).	
Value	Definition
AI	Active injector
DR	Dormant
FL	Flowing
GL	Gas lift
MW	Monitor well (not for Form 2 Reporting)
NI	Notice of intent to abandon
PA	Permanently abandoned
PH	Pumping hydraulic
PL	Plunger lift
PR	Pumping rods
PS	Pumping submersible
SI	Shut-in
SR	Subsequent report of abandonment
SW	Source well
TA	Temporarily abandoned

wellsymb

Well symbol (Source: U.S. Geological Survey (USGS))	
Value	Definition
1	Well produced oil
2	Well produced gas
3	Well produced both oil and gas
4	Production is unknown or well is dry
5	Well produced coalbed gas