

**Bedrock Aquifer Evaluation Determination Tool****Denver Basin Aquifer - Specific Location Determination Tool**

**Applicant:** API # 05-123-09319  
STITT GAS UNIT #1

**Receipt No:**

**Evaluated By:** DM

**Location:** NE 1/4 of NE 1/4 of Sec. 22, T.1N, R.66W. ( 990 NSL, 990 ESL)

**Basin Designation:** Location is within the UNKNOWN Designated Ground Water Basin.

**Ground Surface Elevation:** 5142 Feet      **Number of Acres:** 160

Warning! The depth intervals estimated in this area may vary from actual conditions due to lack of data and/or structural complexity.

Aquifer	Elevation (ft)		Net Sand	DEPTH (ft)		ANNUAL APPROP. (A-F)	STATUS
	<i>Bot</i>	<i>Top</i>		<i>Bot</i>	<i>Top</i>		
Upper Dawson	--	--	--	--	--	--	--
Lower Dawson	--	--	--	--	--	--	--
Denver	--	--	--	--	--	--	--
Upper Arapahoe	4885	4890	1.4	257	252	0.37	E NT
Lower Arapahoe	4585	4831	99.6	557	311	27.10	NNT
Laramie-Fox Hills	3926	4229	178.1	1216	913	42.74	NT

NOTE: 'E' indicates a location is at an aquifer boundary and the values may be more approximate.

Elevation of the bottom and the depth to the bottom of the Upper Arapahoe aquifer are approximate and should be checked against the DENVER BASIN ATLAS NO. 3.

Deepest Water Well Within One Mile: 1,160'      Number of Wells: 116  
Production within one mile: DKTA, JSND, CODL, NBRR, SUSX