

SURFACE CASING CHECK

Well Name Litzenberger Pad

X New Drill ☐ Refiling ☐ Deepen ☐ Re-Enter ☐ Recomplete and Operate ☐ Plug and Abandon ☐ Casing Repair ☐ Disposal

SB5 Base of Fox Hills N/A

Cheyenne Basin Map Base of Fox Hills _____

Fox Hills Protection Area 5% Rule _____

Deepest Water Well w/in 1 Mile(s) 245

Operator-Proposed Surface Casing Depth 500

Actual Surface Casing Depth _____

Change Permit Surface Casing Depth from 500 to 800

OK on ☐ this well's or X offset well's induction log at 800

Report Date: 11/10/2015

[Bedrock Aquifer Evaluation Determination Tool](#)

[Denver Basin Aquifer - Specific Location Determination Tool](#)

Applicant: Cub Creek Litzenberger Pad

Receipt No:

Evaluated By:

Location: SE 1/4 of NE 1/4 of Sec. 8, T.3N, R.68W. (1928 NSL, 1064 ESL)

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

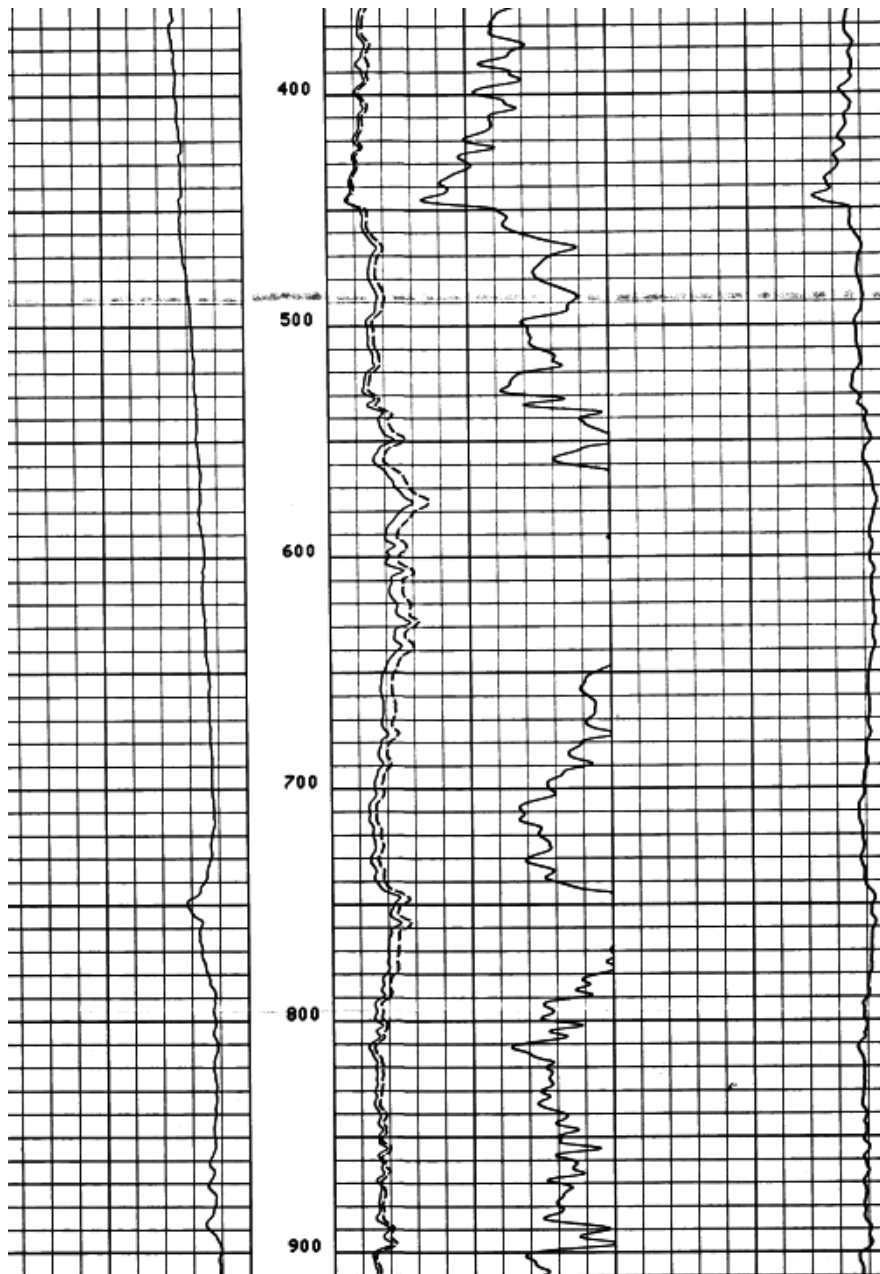
Ground Surface Elevation: 5080 Feet Number of Acres: 160

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 APRPROP. (A-F)	STATUS
	Bot	Top		Bot	Top		
Upper Dawson	--	--	--	--	--	--	--
Lower Dawson	--	--	--	--	--	--	--
Denver	--	--	--	--	--	--	--
Upper Arapahoe	--	--	--	--	--	--	--
Lower Arapahoe	--	--	--	--	--	--	--
Laramie-Fox Hills	--	--	--	--	--	--	--

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

Offset well Runyan 1 (123-10614) Ground El. 5044', 1.5 miles south



Water wells within 1 mile

WELL DESCRIPTION	LOCATION	WELL INFORMATION			
		Depth	Top Perf	Bottom Perf	Aquifer
Receipt=3654733J_Permit=0000017-GX- GRUBER CARL	SWSW 5 3 N-68W	245	0	0	GW
Receipt=9065276_Permit=0072302-- HODGSON ROBERT L	SWSW 5 3 N-68W	160	10	160	GW
Receipt=0461186_Permit=0227390-- LINN PAUL A	SWNW 8 3 N-68W	0	0	0	GW
Receipt=0909023_Permit=0068599- HEMPHILL KEITH M	SWSE 9 3 N-68W	0	0	0	GW

Water Wells within 2 miles

WELL DESCRIPTION	LOCATION	WELL INFORMATION			
		Depth	Top Perf	Bottom Perf	Aquifer
Receipt=0214794, Permit=0120101-- KRAWCYZK C S	SENW 3 3 N-68W	500	0	0	GW
Receipt=3628587A, Permit=0000034-GX- JORGENSEN BILL	NWSW 3 3 N-68W	0	0	0	GW
Receipt=0052837, Permit=0052837-MH- ENCANA OIL & GAS USA INC	NWNE 4 3 N-68W	15	3	13	GW
Receipt=3654733J, Permit=0000017-GX- GRUBER CARL	SWSW 5 3 N-68W	245	0	0	GW