



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

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

Applicant: Crestone  
Location: NE 1/4 of NW 1/4 of Sec. 20, T.5N, R.63W. (760 NSL, 1918 WSL)  
Basin Designation: Location is within the UNKNOWN Designated Groundwater Basin  
Ground Surface Elevation: 4587 Number of Acres: 160

Receipt Number:  
Evaluated By:

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. (AF)	Status
	Bottom	Top		Bottom	Top		
Upper Dawson	--	--	--	--	--	--	--
Lower Dawson	--	--	--	--	--	--	--
Denver	--	--	--	--	--	--	--
Upper Arapahoe	--	--	--	--	--	--	--
Lower Arapahoe	--	--	--	--	--	--	--
Laramie-Fox Hills	4444	4482	24.6	143	105	5.90	E NNT

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

Data for the Laramie-Fox Hills aquifer may be missing or approximate and should be checked against the DENVER BASIN ATLAS NO. 4.

SB5 Laramie-Fox Hills 4444 4482 24.6 143 105 5.90 E NNT  
L-FH + 50 = 143 + 50 = 193'  
WW + Elev + 50 = 60' (25 wells-1 mi), 400' (86 wells-2 mi)  
Logs 5/4/2006 UPA base 1400'  
SX/SN No  
Surface casing 414'  
Csg to be pulled 2500'

Water Wells within Map Selection

Receipt	Permit	Water Well Quarter	Section	Township	Range	Depth	Top Perf	Bottom Per Aquifer
918794		GREELEY CI NENE	17	5.0 N	63.0 W			ALL UNNAMED AQUIFERS
254374		PUTNAM, L NENW	19	5.0 N	63.0 W			ALL UNNAMED AQUIFERS
0376550A	183901-	COCKROFT NESE	19	5.0 N	63.0 W	60		ALL UNNAMED AQUIFERS
0376550B	183901--A	COCKROFT NESE	19	5.0 N	63.0 W	56	36	56 ALL UNNAMED AQUIFERS
24667	94454-VE	COCKROFT NESE	19	5.0 N	63.0 W			ALL UNNAMED AQUIFERS
201421	12495-R-R	CHRISTENS NESE	19	5.0 N	63.0 W	48	28	44 ALL UNNAMED AQUIFERS
9061180	12494-R	CHRISTENS NESW	19	5.0 N	63.0 W	28		ALL UNNAMED AQUIFERS
9061181	12495-R	CHRISTENS NESW	19	5.0 N	63.0 W			ALL UNNAMED AQUIFERS
9061984	14525-R	KLIPPERT J( NESW	19	5.0 N	63.0 W	33		ALL UNNAMED AQUIFERS
3621287	275447-	COCKROFT, NWNE	19	5.0 N	63.0 W	12	6	12 ALL UNNAMED AQUIFERS
9061626	13451-	KISSLER RO NWNW	19	5.0 N	63.0 W	32	23	32 ALL UNNAMED AQUIFERS
9060352	10481-R	BELDEN BR NWNW	19	5.0 N	63.0 W	42		ALL UNNAMED AQUIFERS
0535375B	262443--A	KLIPPERT J( SENE	19	5.0 N	63.0 W	49	36	45 ALL UNNAMED AQUIFERS
0535375A	262443-	KLIPPERT J( SENE	19	5.0 N	63.0 W			ALL UNNAMED AQUIFERS
9061985	14526-R	KLIPPERT J( SENE	19	5.0 N	63.0 W	36		ALL UNNAMED AQUIFERS
16567	90331-VE	NATIONAL SWNW	20	5.0 N	63.0 W			ALL UNNAMED AQUIFERS
0315515B	158348--A	NATIONAL SWNW	20	5.0 N	63.0 W	43	23	43 ALL UNNAMED AQUIFERS
C620808	808-WCB	PETERSON, SWNW	20	5.0 N	63.0 W	42		ALL UNNAMED AQUIFERS
0315515A	158348-	NATIONAL SWNW	20	5.0 N	63.0 W	50		ALL UNNAMED AQUIFERS
9061284	12751-R	70 RANCH   SWNW	20	5.0 N	63.0 W	40		ALL UNNAMED AQUIFERS
9061285	12752-R	70 RANCH   SWNW	20	5.0 N	63.0 W	40		ALL UNNAMED AQUIFERS
9062589	19244-	RIVERSIDE, SWSW	20	5.0 N	63.0 W	44		ALL UNNAMED AQUIFERS
48634	48634-MH	BROMLEY, SWSW	20	5.0 N	63.0 W			QUATERNARY ALLUVIUM
9065227	70361-	RIVERSIDE SWSW	20	5.0 N	63.0 W			ALL UNNAMED AQUIFERS
2016052	2016052-A	FIVE RIVER: NENE	30	5.0 N	63.0 W			ALL UNNAMED AQUIFERS

Oil and Gas Wells within Map Selection														Formation Information						
API County	API Sequence	Location ID	Status	Well	Operator	Qtr	Qtr	Section	Township	Range	Meridian	Lat	Long	Sidetrack	Formation	Top	Bottom	TD	Formation Status	
123	5176	404890	PA	NORDLOH *1	OHIO OIL	SESE		20	5N	63W		6	40.379526	-104.453201	0 UNK				8325 AB	
123	7151	405837	PA	PETERSON *1	VESSELS OIL & GAS COMPANY	NESE		20	5N	63W		6	40.383146	-104.453211	0 JSND	6972			7130 AB	
123	10263	318917	SI	STATE PETERSON *1	CRESTONE PEAK RESOURCES OPERATING LLC	NENE		20	5N	63W		6	40.389764	-104.454718	0 CODL	6644	6658		7250 CM	
															0 J-CDL	6644	7136		7250 CM	
															0 JNBD	6400	7136		7250 CM	
															0 NBRR	6400	6590		7250 CM	
															0 NB-CD				7250 SI	
															0 JSND	7120	7136		7250 SI	
123	10711	319116	PA	PETERSON CHAMPLIN K UNIT *1	CRESTONE PEAK RESOURCES OPERATING LLC	SESE		17	5N	63W		6	40.395056	-104.455002	0 CODL	6657			7275 AB	
															0 JSND	7115			7275 AB	
															0 J-CDL	7118	7130		7275 CM	
123	12431	323013	PA	CHRISTENSON *2-19	NOBLE ENERGY INC	NWNE		19	5N	63W		6	40.39087	-104.47736	0 NB-CD				6705 AB	
123	12432	323014	PA	FLACK *7-19	KERR MCGEE OIL & GAS ONSHORE LP	SWNE		19	5N	63W		6	40.38659	-104.47706	0 NB-CD				6701 AB	
123	12462	323032	PA	CHRISTENSON *15-18	NOBLE ENERGY INC	SWSE		18	5N	63W		6	40.3948	-104.47774	0 NB-CD	6338	6590		6716 AB	
															0 CODL	6578	6590		6716 CM	
															0 NBRR	6338	6492		6716 CM	
123	12463	323033	SI	CHRISTENSON *16-18	NOBLE ENERGY INC	SESE		18	5N	63W		6	40.3946	-104.47171	0 CODL	6626	6638		6750 CM	
															0 NBRR	6362	6539		6750 CM	
															0 NB-CD	6362	6638		6750 SI	
123	12470	323038	PA	FLACK *10-19	HIGHPOINT OPERATING CORPORATION	NWSE		19	5N	63W		6	40.38244	-104.47703	0 NB-CD				6712 AB	
123	12610	323138	PR	CHRISTENSON *8-19	PDC ENERGY INC	SENE		19	5N	63W		6	40.38756	-104.47219	0 NBRR	6363	6455		6732 CM	
															0 NB-CD	6363	6624		6732 PR	
123	19025	409298	AL	UPV *17-5H3	SNYDER OIL CORP	SWNW		17	5N	63W		6	40.401346	-104.467772						
123	19026	409299	AL	UPV *17-6H3	SNYDER OIL CORP	SENE		17	5N	63W		6	40.401426	-104.463042						
123	19257	330538	SI	SLW GREEN STATE *BB 18-09	NOBLE ENERGY INC	NESE		18	5N	63W		6	40.397159	-104.473185	0 NB-CD	6448	6639		6845 SI	
123	19258	330539	PR	SLW GREEN STATE *BB 18-10	NOBLE ENERGY INC	NWSE		18	5N	63W		6	40.396956	-104.476915	0 CODL	6626	6637		6815 CM	
															0 NBRR	6446	6460		6815 CM	
															0 NB-CD	6446	6637		6815 PR	
123	19280	330557	PA	DKW GREEN STATE *BB 18-08	NOBLE ENERGY INC	SENE		18	5N	63W		6	40.40068	-104.47256	0 NB-CD	6408	6682		6839 AB	
															0 CODL	6672	6682		6839 CM	
123	60003	410219	PA	NORDLOH *2	OHIO OIL	NWSW		20	5N	63W		6	40.391386	-104.468952						
123	19916	330948	PA	NATIONAL HOG FARMS *17-12	PDC ENERGY INC	SWNW		17	5N	63W		6	40.40064	-104.46778	0 NB-CD	6444	6701		6934 AB	
															0 NBRR	6444	6524		6934 CM	
															0 CODL	6691	6701		6934 CM	
123	19923	330950	PA	NATIONAL HOG FARM *17-11	PDC ENERGY INC	NWNW		17	5N	63W		6	40.40408	-104.46778	0 NB-CD	6481	6746		6943 AB	
															0 CODL	6736	6744		6943 CM	
															0 NBRR	6481	6589		6943 CM	
123	19974	332705	PA	NHF-LAURA *1	HIGHPOINT OPERATING CORPORATION	NESW		20	5N	63W		6	40.38385	-104.46212	0 DKTA	7245	7298		7350 AB	
															0 JSND	6993	7052		7350 AB	
															0 NB-CD	6368	6550		7350 AB	
															0 CODL	6538	6550		7350 CM	
															0 NBRR	6368	6440		7350 CM	
123	19975	330977	PA	NHF-LAURA *2	HIGHPOINT OPERATING CORPORATION	SESE		20	5N	63W		6	40.38096	-104.45231	0 JSND	6974	7028		7126 AB	
															0 NB-CD	6338	6526		7126 AB	
123	20015	331004	PA	NATIONAL HOG FARM *17-22	PDC ENERGY INC	SENE		17	5N	63W		6	40.40061	-104.46322	0 NB-CD	6476	6726		6968 AB	
															0 CODL	6716	6726		6968 CM	
															0 NBRR	6476	6562		6968 CM	
123	20016	331005	PR	NATIONAL HOG FARM *17-21	PDC ENERGY INC	NENW		17	5N	63W		6	40.40422	-104.46275	0 NB-CD	6568	6756		7429 PR	
															0 JSND	7204			7429 AB	
															0 CODL	6746	6756		7429 CM	
															0 NBRR	6568	6584		7429 CM	
123	20017	409495	AL	NATIONAL HOG FARM *17-13	PDC ENERGY INC	NWSW		17	5N	63W		6	40.397496	-104.467752	0 JSND	7008	7065		7155 AB	
123	20087	331059	PA	NHF-LAURA *7	HIGHPOINT OPERATING CORPORATION	NWSE		20	5N	63W		6	40.38307	-104.45712	0 NB-CD	6274	6538		7155 AB	
															0 CODL	6549	6561		7155 CM	
123	20267	331177	SI	NATIONAL HOG FARM *42-17	PDC ENERGY INC	SENE		17	5N	63W		6	40.40075	-104.45356	0 CODL	6700	6708		6909 SI	
123	20268	331178	SI	NATIONAL HOG FARM *32-17	PDC ENERGY INC	SWNE		17	5N	63W		6	40.40081	-104.45881	0 CODL	6716	6724		6825 SI	
123	20269	331179	PA	NATIONAL HOG FARM *31-17	PDC ENERGY INC	NWNE		17	5N	63W		6	40.40408	-104.45864	0 CODL	6738	6746		6972 AB	
123	20809	331509	PA	NAT'L HOG FRAMS *12-21	NOBLE ENERGY INC	SWNW		21	5N	63W		6	40.386706	-104.447915	0 CODL	6591	6601		7375 AB	
															0 DKTA	7311	7324		7375 AB	
															0 JSND	7012	7072		7375 AB	
															0 DK-J	7012	7324		7375 CM	
123	21602	409729	AL	PETERSON CHAMPLIN *1-17	ENCANA OIL & GAS (USA) INC	CSW		17	5N	63W		6	40.395756	-104.465322						
123	21601	331940	PR	STATE PETERSON *1-20	CRESTONE PEAK RESOURCES OPERATING LLC	NWNW		20	5N	63W		6	40.388419	-104.46518	0 JNBD	6410	7104		7301	
															0 NB-CD	6332	6612		7301 PR	
															0 JSND	7052	7104		7301 TA	
123	21657	331972	PR	STATE PETERSON *14-16	PDC ENERGY INC	SWSW		16	5N	63W		6	40.39381	-104.44847	0 CODL	6626	6634		6765 CM	
															0 NBRR	6368	6466		6765 CM	
															0 NB-CD	6368	6634		6765 PR	
123	21676	331986	PR	STATE PETERSON *13-16	PDC ENERGY INC	NWSW		16	5N	63W		6	40.39714	-104.449	0 CODL	6657	6665		6889 PR	
123	21696	332000	SI	STATE PETERSON *32-20	CRESTONE PEAK RESOURCES OPERATING LLC	SWNE		20	5N	63W		6	40.386122	-104.457692	0 JNBD	6340	7112		7440 CM	
															0 NBRR	6340	6526		7440 CM	
															0 JSND	7038	7112		7440 SI	
															0 NB-CD	6340	6592		7440 SI	
123	21698	332002	PR	STATE PETERSON *12-20	CRESTONE PEAK RESOURCES OPERATING LLC	SWNW		20	5N	63W		6	40.385973	-104.467949	0 CODL	6592	6602		7272 CM	
															0 JNBD	6338	7092		7272 CM	
															0 NBRR	6338	6368		7272 CM	
															0 JSND	7050	7092		7272 PR	
															0 NB-CD	6338	6602		7272 PR	
123	21718	332015	PR	STATE PETERSON *42-20	CRESTONE PEAK RESOURCES OPERATING LLC	SENE		20	5N	63W		6	40.386392	-104.452639	0 LKTA	7348	7360		7420 AB	
															0 JNBD	6510	7100		7420 CM	
															0 JSND	7048	7100		7420 PR	
															0 NB-CD	6510	6606		7420 PR	
123	22260	332409	SI	70 RANCH-LAURA *13-20	HIGHPOINT OPERATING CORPORATION	NWSW		20	5N	63W		6	40.38311	-104.46738	0 DKTA	7308	7320		7450 AB	
															0 JSND	7025	7088		7450 SI	
															0 NB-CD	6313	6576		7450 SI	
															0 CODL	6564	6576		7450 CM	
															0 NBRR	6313	6464		7450 CM	
123	22288	332694	SI	70 RANCH LAURA *24-20	HIGHPOINT OPERATING CORPORATION	SESW		20	5N	63W		6	40.3812	-104.46472	0 DKTA	7347	7389		7482	
															0 JSND	7066			7482 AB	
															0 CODL	6612	6624		7482 CM	
															0 NB-CD	6368	6512		7482 SI	
															0 NBRR	6368	6512		7482 CM	
123	22292	332694	TA	70 RANCH LAURA *14-20	HIGHPOINT OPERATING CORPORATION	CSW		20	5N	63W		6	40.38123	-104.4649	0 CODL	6608	6624			

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