

SURFACE CASING CHECK

Well Name HIGHLANDS 27C-33HZ Pad

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

SB5 Base of Fox Hills 926

Cheyenne Basin Map Base of Fox Hills _____

Fox Hills Protection Area 5% Rule 377

Deepest Water Well w/in 1 Mile(s) 1,014

Operator-Proposed Surface Casing Depth 1,800

Actual Surface Casing Depth _____

Change Permit Surface Casing Depth from _____ to _____

OK on ☐ this well's or X offset well's induction log at 930

Report Date: 11/18/2015

[Bedrock Aquifer Evaluation Determination Tool](#)

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

Applicant: Kerr McGee Highland
Pad

Receipt No:

Evaluated By:

Location: NE 1/4 of NE 1/4 of Sec. 9, T.1N, R.66W. (372 NSL, 1037 ESL)

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

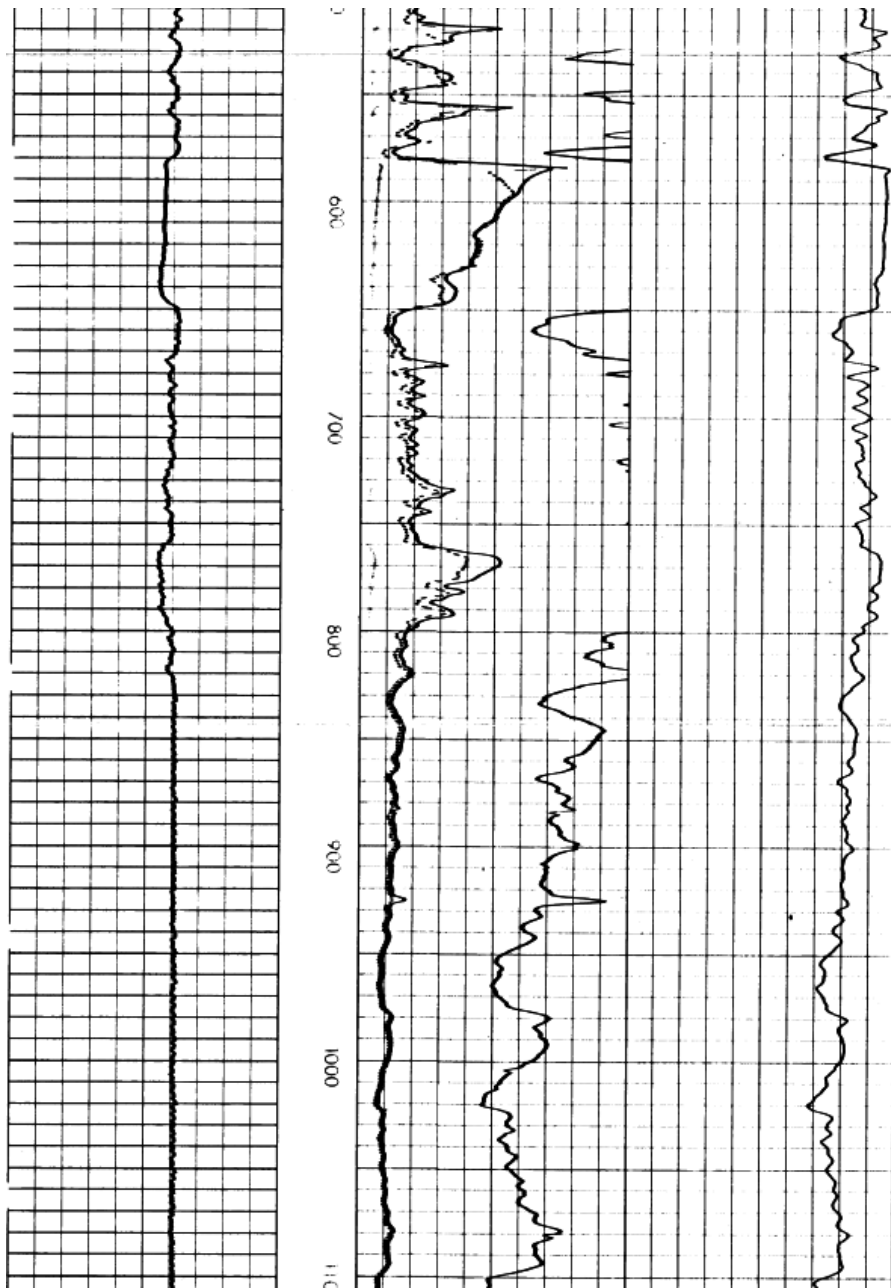
Ground Surface Elevation: 4998 Feet Number of Acres: 160

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
	Bot	Top		Bot	Top		
Upper Dawson	--	--	--	--	--	--	--
Lower Dawson	--	--	--	--	--	--	--
Denver	--	--	--	--	--	--	--
Upper Arapahoe	--	--	--	--	--	--	--
Lower Arapahoe	4773	4974	83.6	225	24	22.74	NNT
Laramie-Fox Hills	4072	4388	176.8	926	630	42.44	NT

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

Offset well Addie M. King Gas Unit #1 (123-08357) SWSW 4 1N 66W



Deepest water well within 1 mile of surface location:

Receipt=0526253, Permit=0257775-- STENSETH MARK & CARRIE	NESW 10 1 N-66W	880	780	880	KLF
Receipt=3655074, Permit=0288424-- RUSSELL PARTNERSHIP LLP	SESW 10 1 N-66W	875	785	875	KLF
Receipt=9064262, Permit=0042103-- HAYEN JEFFREY A	SESW 10 1 N-66W	91	0	0	GW
Receipt=0466480, Permit=0230139-- DIETZ HENRY C	SWSW 10 1 N-66W	845	845	710	KLF
Receipt=0295099, Permit=0082824--A BINDER JR HOWARD	NWNW 15 1 N-66W	775	725	815	KLF
Receipt=9065702, Permit=0082824-- ZEHEMDE GEORGE WILLIAM	NWNW 15 1 N-66W	0	0	0	KLF
Receipt=0520959, Permit=0255643-- BARRY ROBERT M	NENE 16 1 N-66W	1,014	0	0	GW
Receipt=0463722, Permit=0228470-- DILLER JEFF & JENNIFER	NWNE 16 1 N-66W	940	720	940	KLF
Receipt=0281444, Permit=0082250--A HAGA MELVIN	NWNE 16 1 N-66W	800	650	800	KLF