

HJ horizon in L-rance Area ~ 370 - 500 deep  
 Top of HT 920' 45'

5. 220 deep -1' static dd = 160'  
 HJ horizon = 133-363  
 2. 280' deep 250' static dd = 160' 137'  
 9. 300' deep 199' static dd = 15'

6. 900' deep 104' static dd = 224' HT horizon ~ 370-500  
 40' HT connect see calc

15. 370' deep 269' static dd = 22' (10% leakage)  
 HJ horizon ~ 370

11. 320' deep 109' static dd = 22' 10'  
 HJ horizon ~ 370

10/14/09

D/HB

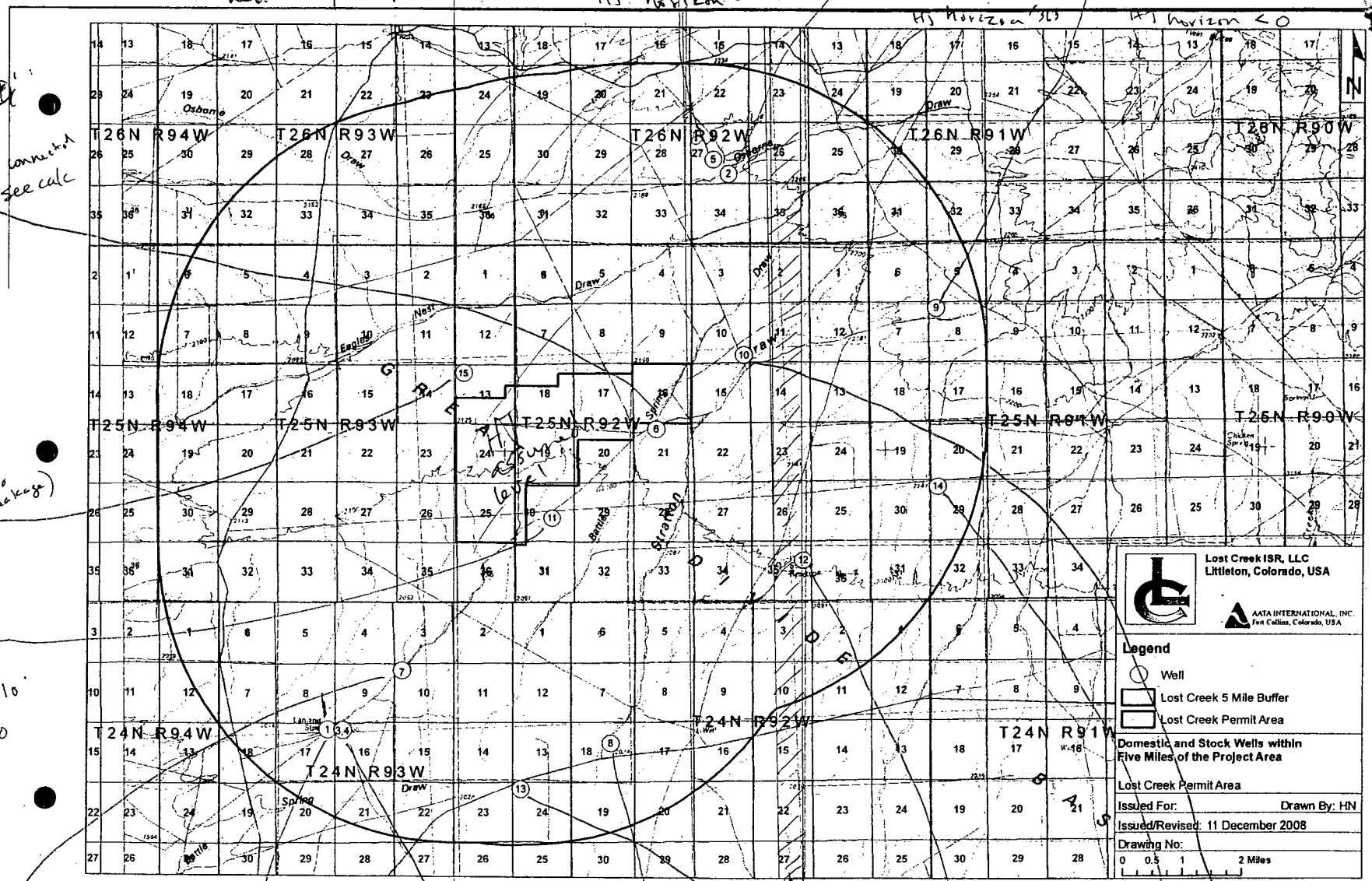
7. ? Kenneth Ur.

1. 216 depth 60 ft static water dd = 15' 10% HT horizon > 920

3. 600 ft deep -1' static (artesian) horizon = 7920'  
 4. 600 ft deep 60' static HT horizon = 7920'

13. 380 ft deep 140 ft static dd = 15' 10% horizon = 370-500 HT horizon = 0  
 8. 220 ft deep 138 ft static dd = 15' HT horizon = 370-500

16. 290 ft deep 155' static dd = 199' (dry) HT horizon 95-225



HJ horizon outcrop area (based on 30' dip to west)

Potentially Active Domestic and Stock Wells within a Five-Mile Radius of the Lost Creek Permit Area

Last Revised December 2008

Map ID	Permit Number	Applicant	Township	Range	Section	¼ of the ¼	Uses	Priority	Status	Permit Facility Name	Yield (gpm)	Well Depth (feet)	Static Depth (feet)	Top of Main Water-Bearing Zone	Bottom of Main Water-Bearing Zone	Well Log	Chemical Analysis
1	P6572W	Kennecott Uranium Company	24 N	93 W	17	NENE	Domestic	9/17/1970	Good Standing	DB No. 1	9	216	60	140	216	Yes	Yes
2	P8444P	Sun Land/Cattle Co.	26 N	92 W	27	SWSE	Stock	12/31/1946	Good Standing	Osborne No. 1	10	280	250	Unknown	Unknown	No	No
3	P8461P	Sun Land/Cattle Co. and Wyoming Board of Land Commissioners	24 N	93 W	16	NWNW	Stock	12/31/1919	Good Standing	Jawbone School Sec No. 1	25	600	-1	Unknown	Unknown	No	No
4	P8462P	Sun Land/Cattle Co. and Wyoming Board of Land Commissioners	24 N	93 W	16	NWNW	Stock	6/25/1919	Good Standing	Jamborn S Sec No. 2	30	600	60	Unknown	Unknown	No	No
5	P10696P	BLM - Rawlins District	26 N	92 W	27	NESW	Stock	1/10/1942	Good Standing	Osbourne Draw Well No. 123	5	237	-1	Unknown	Unknown	No	No
6	P13834P	BLM - Rawlins District	25 N	92 W	21	NENW	Stock	9/21/1968	Good Standing	Battle Spring Draw Well No. 4451	19	900	104	Unknown	Unknown	No	No
7	P47137W	Kennecott Uranium Company	24 N	93 W	10	NWNW	Reservoir Supply, Stock, Miscellaneous	12/7/1977	Unadjudicated	Blue No. 5						No	
8	P55108W	BLM - Rawlins District	24 N	92 W	18	SWNE	Stock	12/24/1980	Good Standing	Stratton Draw	5	220	138	150	200	Yes	No
9	P55111W	BLM - Rawlins District	25 N	91 W	8	NWNW	Stock	12/24/1980	Good Standing	Road Crossing	5	300	199	220	300	Yes	No
10	P55112W	BLM - Rawlins District	25 N	92 W	10	SESE	Stock	12/24/1980	Good Standing	Boundary	5	280	155	220	280	Yes	No
11	P55113W	BLM - Rawlins District	25 N	92 W	30	NWSE	Stock	12/24/1980	Good Standing	Battle Springs	5	220	109	184	220	Yes	No
12	P55114W	BLM - Rawlins District	25 N	92 W	35	SENE	Stock	12/24/1980	Good Standing	Sooner	5	320	237	250	320	Yes	No
13	P63765W	BLM - Rawlins District	24 N	93 W	24	NWNW	Stock	4/1/1983	Good Standing	Mineral X Pipeline	20	380	140	100	380	Yes	No
14	P183470W	BLM - Rawlins District and Ur-Energy USA, Inc.	25 N	91 W	29	NWNW	Stock	8/27/2007	Good Standing Incomplete	Driller's Well						No	
15	1	BLM - Rawlins District	25 N	93 W	13	NWNW	Stock			East Eagle Nest Draw Well	5	370	269				
P6572W	BLM - Rawlins District	25 N	93 W	10	SWSE	Stock	Miscellaneous	12/8/1970	Abandoned	Blue No. 5						No	
P3765W	BLM - Rawlins District	24 N	93 W	24	NWNW	Stock		5/4/1977	Cancelled	Blue No. 5						No	
P3765W	Stratton Sheep Co. and Wyoming Board of Land Commissioners	24 N	93 W	16	NWNW	Stock		1/27/2005	Rejected	Blue No. 5						No	

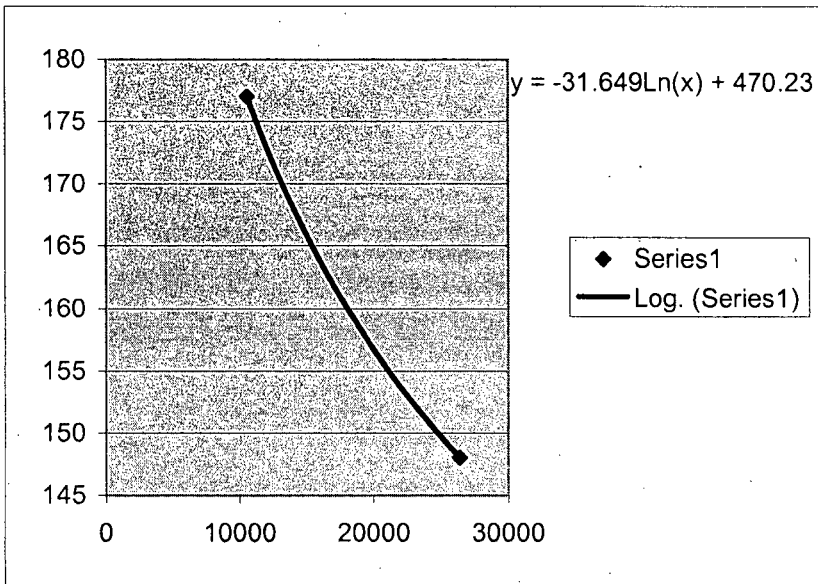
\* WSEO, 2006

1 This well does not currently have an associated WSEO permit number.

XXXXXX = Abandoned, Cancelled, or Rejected Status

Lost Creek drawdowns (HJ horizon) - Rough Calcs based on RAI responses

2 10560 177 for graph  
5 26400 148



-31.649	distance	drawdown
470.23	feet	feet
0.25	1320	242.8
0.5	2640	220.9
1	5280	198.9
2	10560	177.0
3	15840	164.2
4	21120	155.1
5	26400	148.0

Slope/dip of beds, 3 degrees west		
	feet	
3	0.052	feet
0.25	1320	68.6
1	5280	274.6
1.5	7920	411.8
2	10560	549.1
2.5	13200	686.4
3	15840	823.7
3.5	18480	961.0
4	21120	1098.2
5	26400	1372.8

As per ER...  
Avg  
174  
gpm  
over  
8 yrs  
3-13

← Pump rate? - disposal implications  
eg RRI Smith Ranch 300gpm  
↑  
longer sweep = increased surety

Drawdown at site?  
Longer to sweep

Note: Battle Springs formation dips to west at 3°  
Stated in attachment 2.7.1 & Section 2.6.1.2

artificially low transmissivity

(NRC modeling)  
N side of fault  
do realistic model  
Entire thick 7% transmissivity