

Appendix A

**CHURCH ROCK / PINEDALE
DWELLING UNIT RADIATION SURVEY
AND OVERSIGHT
PHOTOLOG**



Photo 1: Background line is being surveyed. From left to right: Eugene Esplain, Salvador Chavez, Michelle Dineyazhe, Anthony Piccirillo, and Jeff Johnson.



Photo 2: This is the first survey line at the first location, PD-001A.



Photo 3: The “hot” propane tank attached to the building.

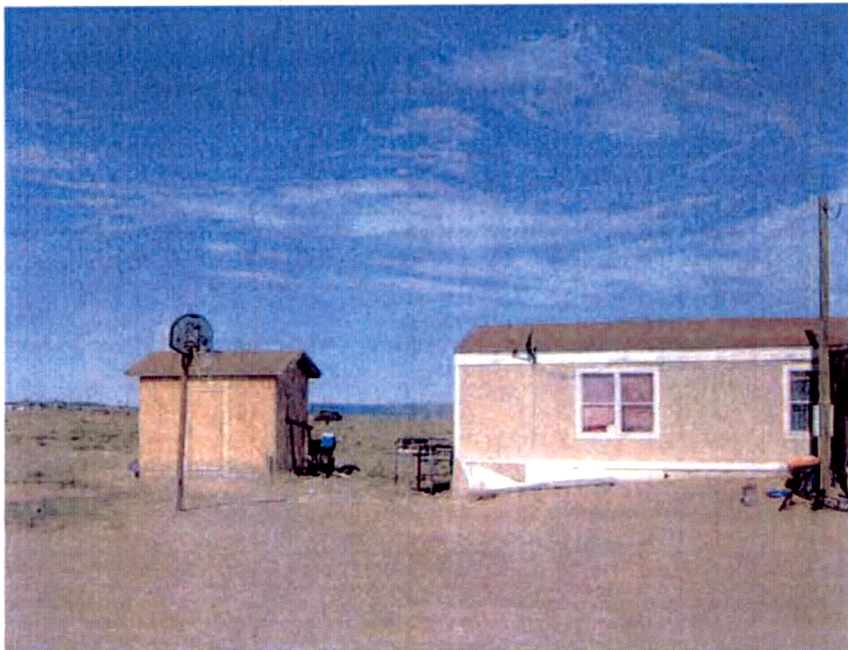


Photo 4: Typical dwelling unit with storage shed to be surveyed.

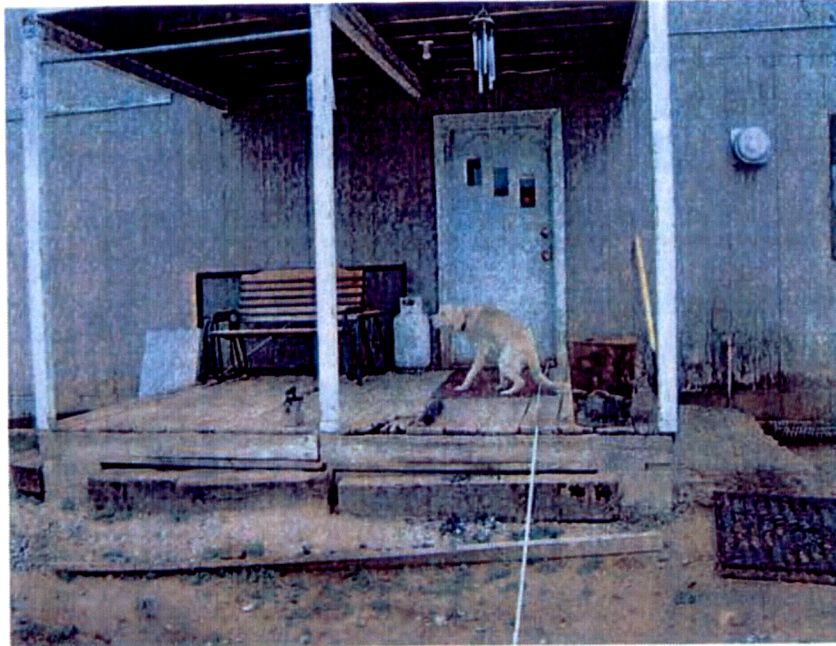


Photo 5: The front porch on unit PD-022A. A radiation reading was taken between the porch and the house, but the porch prevented a reading at a distance of 10 feet from the building.



Photo 6: Members of the crew surveying Section 17 for URI are completing a background check of their instruments.

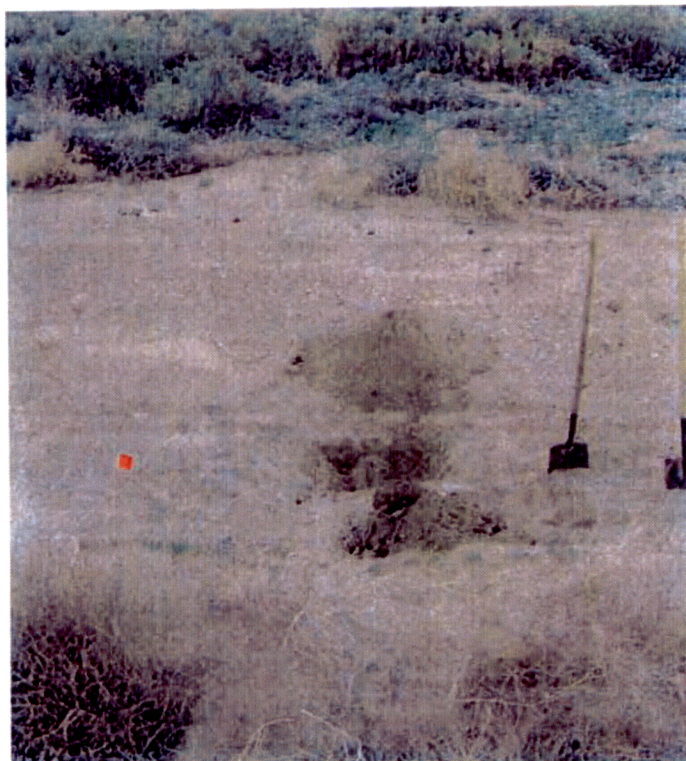


Photo 7: One of the hand dug pits on Section 17.

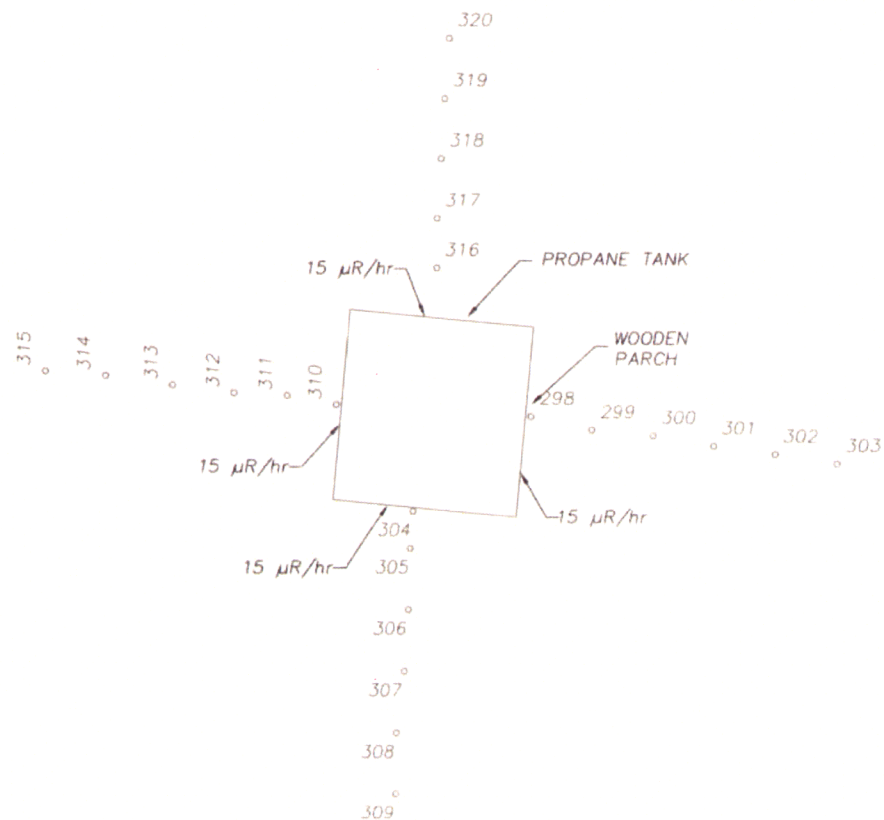


Photo 8: URI crew members taking a soil sample in a wash on Section 17.

Appendix B

Point Table				
Point #	Northing	Easting	SOIL CPM	SOIL pCi/g
298	1680646.9852	2520404.1946	1406	0.8
299	1680644.7852	2520413.9326	1572	0.9
300	1680643.8572	2520423.8176	1559	0.9
301	1680642.1432	2520433.6416	1595	0.9
302	1680640.8202	2520443.5856	1631	0.9
303	1680639.2739	2520453.4654	1743	1.0
304	1680631.5480	2520385.0760	1672	1.0
305	1680625.5010	2520384.6280	1658	1.0
306	1680615.6370	2520384.2630	1626	0.9
307	1680605.6420	2520383.5890	1615	0.9
308	1680595.7620	2520382.2160	1651	0.9
309	1680585.9480	2520382.0750	1590	0.9
310	1680648.8960	2520372.2890	1786	1.0
311	1680650.3630	2520364.2220	1742	1.0
312	1680650.7770	2520355.6820	1690	1.0
313	1680651.9920	2520345.6400	1745	1.0
314	1680653.4950	2520334.6770	1697	1.0
315	1680654.1760	2520324.9720	1677	1.0
Obstruction: Propane Tank				
316	1680671.1260	2520389.2070	1694	1.0
317	1680679.2210	2520389.2810	1749	1.0
318	1680688.9430	2520390.0070	1675	1.0
319	1680698.6340	2520390.5960	1873	1.1
320	1680708.3800	2520391.4040	1667	1.0

CPM = Counts Per Minute
pCi/g = Picocuries Per Gram
Northing = Feet
Easting = Feet
μR/hr = Microrentgens per hour
Building Materials Radiation Readings

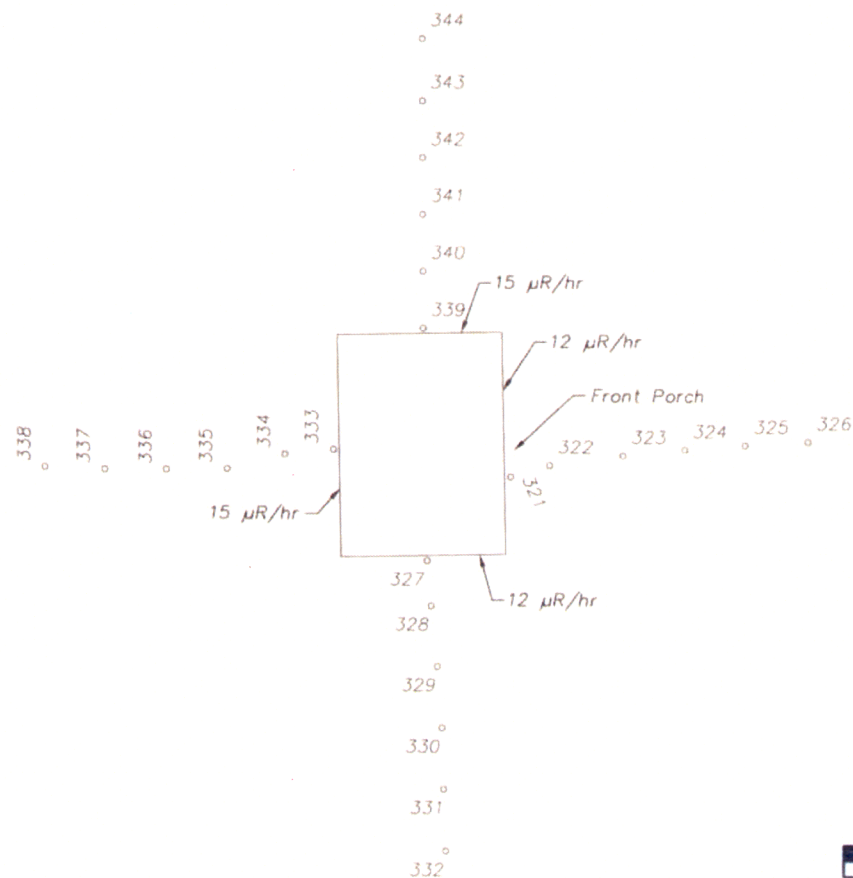


iiná bá
4801 N. BUTLER AVE., SUITE 1101
FARMINGTON, NEW MEXICO 87401
PH. (505) 327-1075 FAX (505) 327-1617

STRUCTURE: WOODEN HOUSE		NNEPA LOCATION: 725038 E. 3944331 N		SOIL RADIATION SURVEY PD-001A PINEDALE, NEW MEXICO
PERSONNEL: J. MOORE, J. JOHNSON, A. PICCIRILLO, E. ESPIN, M. MONTEYAZHE, S. CHAVEZ, T. CHARLES, & R. TOWNE		WEATHER: OVERCAST, BREEZY, T-STORM SURVEY EQUIPMENT: Iiná bá LIDA		
DATE/TIME: 5/18/09 4:00 PM		DRAWN BY: RHT	DATE: 6/28/09	

Point Table				
Point #	Northing	Easting	SOIL CPM	SOIL pCi/g
321	1680980.8260	2521234.4210	1863	1.1
322	1680982.7320	2521240.8670	1722	1.0
323	1680984.3320	2521252.5270	1737	1.0
324	1680985.3180	2521262.4520	1675	1.0
325	1680986.0280	2521272.3430	1692	1.0
326	1680986.5750	2521282.3420	1654	0.9
327	1680967.1770	2521220.6230	1740	1.0
328	1680959.8470	2521221.2730	1753	1.0
329	1680949.9770	2521222.3150	1772	1.0
330	1680939.9820	2521223.1170	1699	1.0
331	1680930.0150	2521223.3990	1601	0.9
332	1680920.0460	2521223.7440	1624	0.9
333	1680985.2060	2521205.3880	1799	1.0
334	1680984.4260	2521197.6280	1676	1.0
335	1680981.9930	2521188.2050	1712	1.0
336	1680981.8240	2521178.2660	1793	1.0
337	1680981.8020	2521168.2720	1773	1.0
338	1680982.1390	2521158.4370	1792	1.0
339	1681004.8740	2521219.9390	1745	1.0
340	1681014.0240	2521219.9088	1702	1.0
341	1681021.6970	2521219.4050	1817	1.1
342	1681031.6000	2521219.8400	1716	1.0
343	1681041.5100	2521219.9210	1740	1.0
344	1681051.4940	2521219.7850	1522	0.9

CPM = Counts Per Minute
pCi/g = Picocuries Per Gram
Northing = Feet
Easting = Feet
μR/hr = Microrentgens per hour
Building Materials Radiation Readings



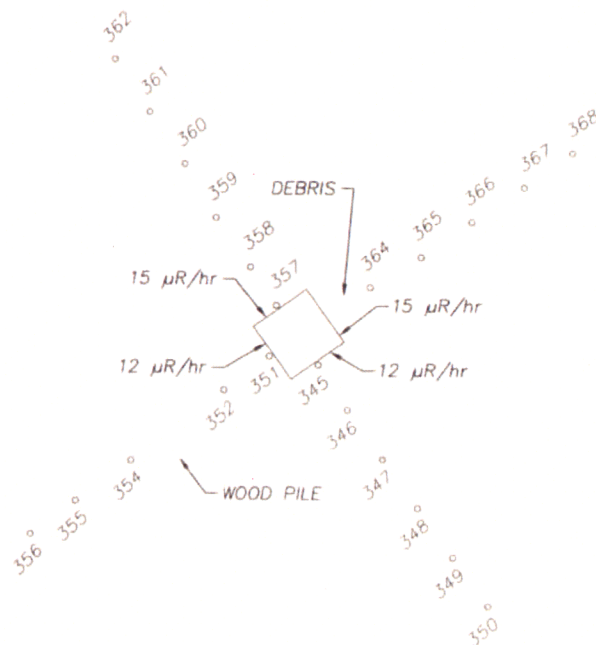
Scale: 1" = 20'
NE 1/4 of Section 15, T16N, R16W
NMMP

iiná bá
4801 N. BUTLER AVE., SUITE 1101
FARMINGTON, NEW MEXICO 87401
PH. (505) 327-1078 FAX (505) 327-1517

STRUCTURE: WOOD HOUSE ON CEMENT FOUNDATION	NNEPA LOCATION: 725286 E, 3844446 N		SOIL RADIATION SURVEY PD-002A PINEDALE, NEW MEXICO
PERSONNEL: J. MOORE, M. DINEVAYZHE, J. ESPLAIN, S. CHAVEZ, J. JOHNSON, J. TOWNE, & T. CHARLES, A. PICCIRILLO	WEATHER: THUNDERSTORM SURVEY EQUIPMENT: InS 66 LEXA		
DATE/TIME: 5/18/08 4:07 PM	DRAWN BY: RHT	DATE: 5/26/08	

Point Table				
Point #	Northing	Easting	SOIL CPM	SOIL pCi/g
345	1680914.8810	2521247.8010	1497	0.8
346	1680907.5980	2521252.5160	1513	0.9
347	1680899.6270	2521258.2480	1633	0.9
348	1680891.6240	2521263.9965	1630	0.9
349	1680883.6210	2521269.7450	1727	1.0
350	1680875.7610	2521275.4280	1806	1.1
351	1680916.2900	2521239.8440	1523	0.9
352	1680910.4450	2521232.6800	1437	0.8
MISSING: DATA POINT WOOD PILE				
354	1680898.2190	2521217.8280	1526	0.9
355	1680892.4320	2521208.1430	1547	0.9
356	1680887.1490	2521200.6660	1662	1.0
357	1680924.5420	2521240.9560	1504	0.8
358	1680930.7650	2521236.8430	1592	0.9
359	1680938.6780	2521231.1820	1679	1.0
360	1680947.3660	2521225.8990	1803	1.1
361	1680955.7140	2521220.0690	1743	1.0
362	1680964.1640	2521214.3070	1696	1.0
MISSING: DATA POINT DEBRIS				
364	1680927.5060	2521256.2260	1573	0.9
365	1680932.4140	2521264.5770	1544	0.9
366	1680938.0760	2521272.8000	1619	0.9
367	1680943.6830	2521281.1730	1538	0.9
368	1680949.2980	2521288.9860	1652	0.9

CPM = Counts Per Minute
pCi/g = Picocuries Per Gram
Northing = Feet
Easting = Feet
μR/hr = Microrentgens per hour
Building Materials Radiation Readings



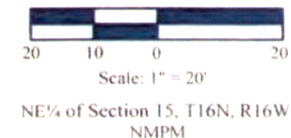
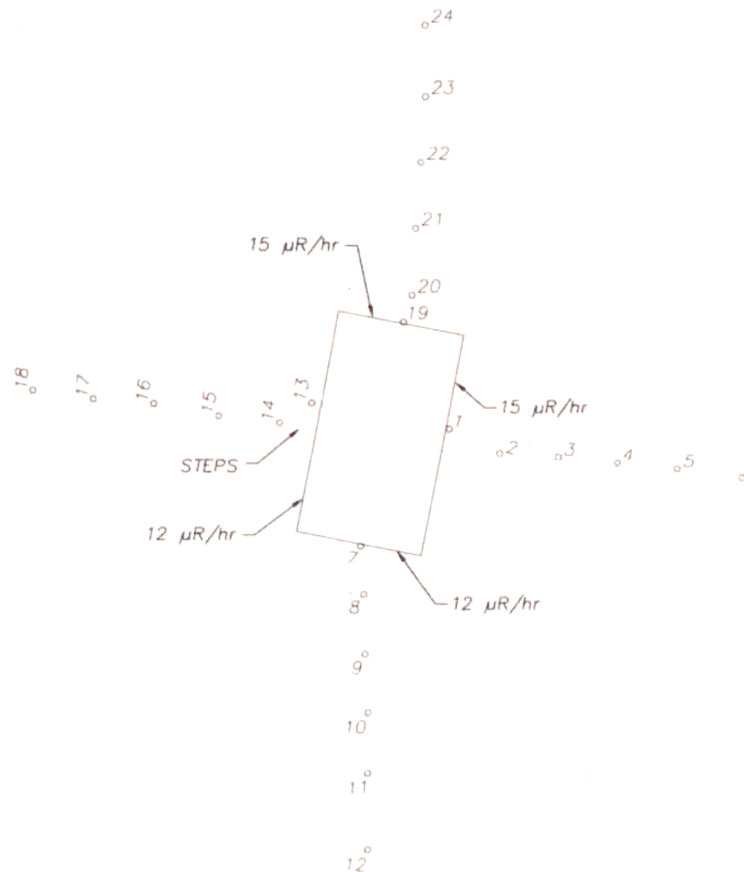
Scale: 1" = 20'
NE 1/4 of Section 15, T16N, R16W
NMPM

iiná bá
4801 N. BUTLER AVE., SUITE 1101
FARMINGTON, NEW MEXICO 87401
TEL. (505) 327-1072 FAX (505) 327-1017

STRUCTURE: WOODEN SHED	NEPA LOCATION: 725286 E, 3944446 N	SOIL RADIATION SURVEY PD-002B PINEDALE, NEW MEXICO
PERSONNEL: J. MOORE, M. DIHEVAZHE, E. ESPLAIN, S. CHAVEZ, A. PICCOLLO, J. JOHNSON, T. CHARLES, & R. TOWNE	WEATHER: THUNDERSTORM SURVEY EQUIPMENT: Snd b6 LEXA	
DATE/TIME: 5/18/09 5:00 PM	DRAWN BY: RHT DATE: 8/26/09	

Point Table				
Point #	Northing	Easting	SOIL CPM	SOIL pCi/g
1	1681031.6530	2520995.5570	1604	0.9
2	1681027.7120	2521003.8050	1634	0.9
3	1681027.1050	2521013.5750	1581	0.9
4	1681026.1810	2521023.3180	1595	0.9
5	1681025.2350	2521033.1200	1584	0.9
6	1681023.7610	2521043.4360	1642	0.9
7	1681012.5550	2520981.2480	2081	1.2
8	1681004.6900	2520981.7170	1635	0.9
9	1680994.9540	2520981.8950	1654	1.0
10	1680985.4980	2520982.3650	1675	1.0
11	1680975.6060	2520982.2760	1661	1.0
12	1680963.3210	2520982.2220	1812	1.1
13	1681035.8230	2520973.3600	1564	0.9
14	1681032.6010	2520968.1560	1870	1.1
15	1681033.6620	2520958.2370	1627	0.9
16	1681035.6410	2520947.7440	1674	1.0
17	1681036.3680	2520937.8960	1698	1.0
18	1681037.7250	2520927.8720	1642	0.9
19	1681048.9870	2520988.3050	1594	0.9
20	1681053.3340	2520989.6690	1612	0.9
21	1681064.0750	2520990.2880	1611	0.9
22	1681074.6860	2520991.1740	1534	0.9
23	1681085.2340	2520991.9640	1673	1.0
24	1681096.6770	2520991.9450	1645	0.9

CPM = Counts Per Minute
pCi/g = Picocuries Per Gram
Northing = Feet
Easting = Feet
μR/hr = Microrentgens per hour
Building Materials Radiation Readings



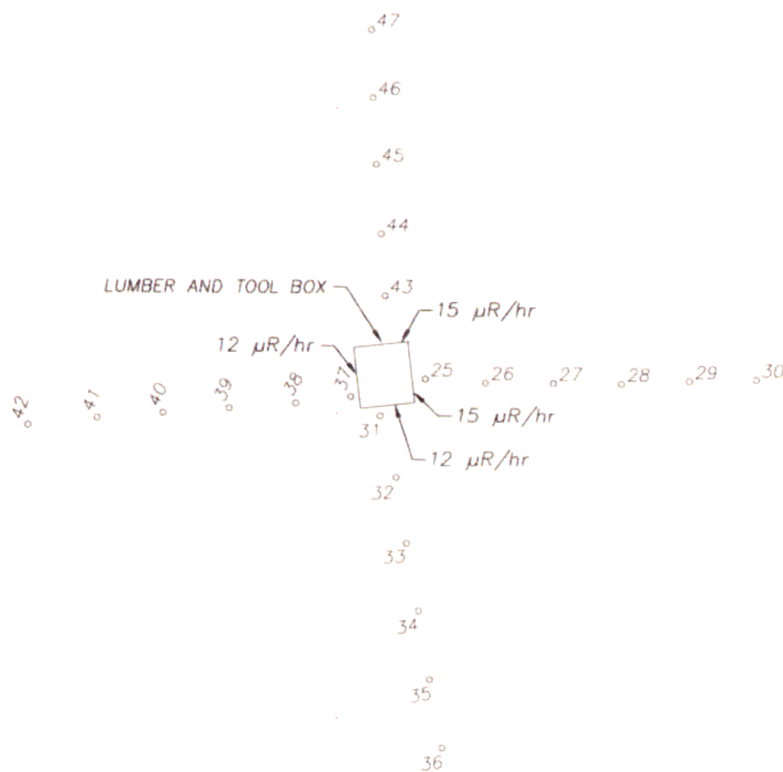
iiná bá

4801 N. BUTLER AVE., SUITE 1101
FARMINGTON, NEW MEXICO 87401
PH. (505) 327-1072 FAX (505) 327-1517

STRUCTURE: STUCCO HOUSE		NNEPA LOCATION: 725218 E, 3844453 N		SOIL RADIATION SURVEY PD-003A PINEDALE, NEW MEXICO
PERSONNEL: J. MOORE, S. CHAVEZ, J. JOHNSON, A. PICCOLLO, J. WHITE, & J. BEGAY		WEATHER: SUNNY, COOL SURVEY EQUIPMENT: TRIMBLE BACKPACK		
DATE/TIME: 5/19/09 8:00 AM		DRAWN BY: RMT	DATE: 10/15/09	

Point Table				
Point #	Northing	Easting	SOIL CPM	SOIL pCi/g
25	1680997.2140	2520970.6230	1676	1.0
26	1680996.7010	2520979.5100	1651	0.9
27	1680996.6430	2520989.4580	1700	1.0
28	1680996.6010	2520999.3440	1603	0.9
29	1680997.0050	2521009.3170	1624	0.9
30	1680997.2880	2521019.3580	1651	0.9
31	1680991.7300	2520964.0010	1604	0.9
32	1680982.6790	2520966.3680	1589	0.9
33	1680973.0050	2520967.8650	1535	0.9
34	1680963.0380	2520969.6410	1753	1.0
35	1680952.9510	2520971.3270	1811	1.1
36	1680942.9040	2520973.2290	1718	1.0
37	1680994.5750	2520959.6460	1656	1.0
38	1680993.5600	2520951.4290	1644	0.9
39	1680992.8270	2520941.4650	1716	1.0
40	1680992.0560	2520931.4900	1642	0.9
41	1680991.2280	2520921.7200	1655	1.0
42	1680990.0830	2520911.7300	1835	1.1
Obstruction: Lumber & Tool Box - Missing Data Point				
43	1681009.3700	2520964.7010	1683	1.0
44	1681018.5010	2520964.1480	1735	1.0
45	1681028.7670	2520963.4020	1724	1.0
46	1681038.5420	2520962.9130	1714	1.0
47	1681048.4870	2520962.6630	1639	0.9

CPM = Counts Per Minute
pCi/g = Picocuries Per Gram
Northing = Feet
Easting = Feet
μR/hr = Microrentgens per hour
Building Materials Radiation Readings



20 10 0 20
Scale: 1" = 20'
NE 1/4 of Section 15, T16N, R16W
NMPM

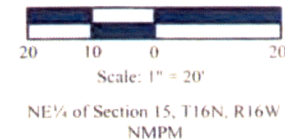
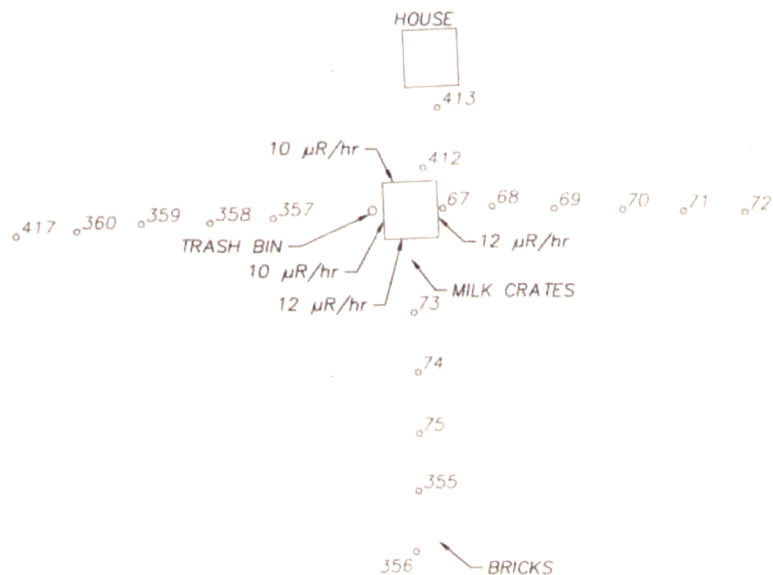
iinā bá

4801 N. BUTLER AVE., SUITE 1101
FARMINGTON, NEW MEXICO 87401
PH. (505) 327-1072 FAX (505) 327-1017

STRUCTURE: WOODEN WITH INSULATION - SHED	NNEPA LOCATION: 725218 E, 3944453 N		SOIL RADIATION SURVEY	
PERSONNEL: J. MOORE, S. CHAVEZ, J. JOHNSON, A. PICCIRILLO, F. WHITE, & J. BEGAY	WEATHER: SUNNY, WARM SURVEY EQUIPMENT: TRIMBLE BACKPACK		PD-003B	
DATE/TIME: 5/19/09 9:00 AM	DRAWN BY: RHT	DATE: 6/27/09	PINEDALE, NEW MEXICO	

Point Table				
Point #	Northing	Easting	SOIL CPM	SOIL pCi/g
67	1681009.0020	2520668.2220	1576	0.9
68	1681009.3290	2520676.4010	1631	0.9
69	1681008.9680	2520686.4840	1616	0.9
70	1681008.8170	2520697.6000	1744	1.0
71	1681008.5490	2520707.3650	1727	1.0
72	1681008.3330	2520717.1170	1743	1.0
Obstruction: Milk Crates - Missing Data Point				
73	1680992.0960	2520663.3890	1821	1.1
74	1680982.3780	2520664.0400	1828	1.1
75	1680972.3770	2520664.1840	1779	1.0
355	1680963.0750	2520664.0490	1700	1.0
356	1680953.2280	2520663.5900	1650	0.9
Obstruction: Trash Bin - Missing Data Point				
357	1681008.2560	2520649.0424	1595	0.9
358	1681006.4910	2520630.3360	1586	0.9
359	1681006.2920	2520619.1820	1787	1.0
360	1681005.0300	2520608.6630	1779	1.0
417	1681007.2874	2520640.3042	1876	1.1
412	1681015.5637	2520664.9412	1513	0.9
413	1681025.2651	2520667.3665	1724	1.0
Obstruction: House - Missing Data Point				

CPM = Counts Per Minute
pCi/g = Picocuries Per Gram
Northing = Feet
Easting = Feet
μR/hr = Microentgens per hour
Building Materials Radiation Readings



iina ba
4801 N. BUTLER AVE., SUITE 1101
FARMINGTON, NEW MEXICO 87401
PH. (505) 327-1072 FAX (505) 327-1517

STRUCTURE: WOODEN SHED		NNEPA LOCATION: 725122 E, 3844450 N		SOIL RADIATION SURVEY PD-004B PINEDALE, NEW MEXICO
PERSONNEL: J. MOORE, S. CHAVEZ, J. BEGAY, & A. PICCOLILLO		WEATHER: SUNNY, BREEZY SURVEY EQUIPMENT: TRIMBLE BACKPACK		
DATE/TIME: 5/19/09 9:30 AM		DRAWN BY: RHT	DATE: 8/28/09	