ation IRW Date 3/31/08

ect / Client Motley Rice

ner: cloudy 65° thunderstorms
. Collect Manure samples.
Brian B. Raj, Donnie, Beau., Bob, CDM
Rashida C Mike R Cipho
Met Mr. Fite at Scenic River Comission to gather information. Followed Ed Fite to his fields.
Arrive @ Fite property. Mr. Fite is running Rodeo stock on field to be sampled first. This field has never been applied with poultry waste. Field has been applied with Nitrogen. It has been over 10 years since the last application.
I collection of samples begins of CP-1-A
WP004 N36.02438 W94.63911
@ first sample location.
Photos taken of field, bulls and various sampling locations. Frames 6002 - 6047
There are 20 bulls on this field.
CP-1-A is large field on E. Sample names
MAN-BC-20-F MAN-BC-20-D
Sampling of fresh and dry manure complete.
Compositing of samples. Samples put on ice
Samplers wait out weather in trucks.
RC 3/31/08

Location IRW Date 3/31/08

Project / Client Motley Rice

1428 Preparing to sample CP-1-B. Small field on W.
1450 Began sampling of CP-1-B. 9 calves on field
Photos taken.
1512 Completed cow paddie sampling. Began compositing of samples.
Sample ID MAN-BC-21-F and
MAN-BC-21-D.
1608 Began EOF sampling on CP-1-A
1629 Completed EOF sampling on CP-1-A
sample locations WP005 N35.97301 W94.92146
WP006 N35.97065 W94.92236
Photos taken of sampling of EOF locations.
1630 completed sampling EOF-CP-1-B
Both Edge of field samples were taken at same field. One sample near gate where cars are parked. Second sample higher up on field nearer to barns.
1635 Left Fite property to meet Brian and Donielle and ship samples.
Photo frame notes: DSCF 6048-6066
Dry cow paddie sampling and overview of CP-1-B. DSCF 6067 - 6073 EOF sampling of Fite property. WP005 taken EOF in ponding area. WP006 sampled while water still running
RC 3/31/08

STOK0053574

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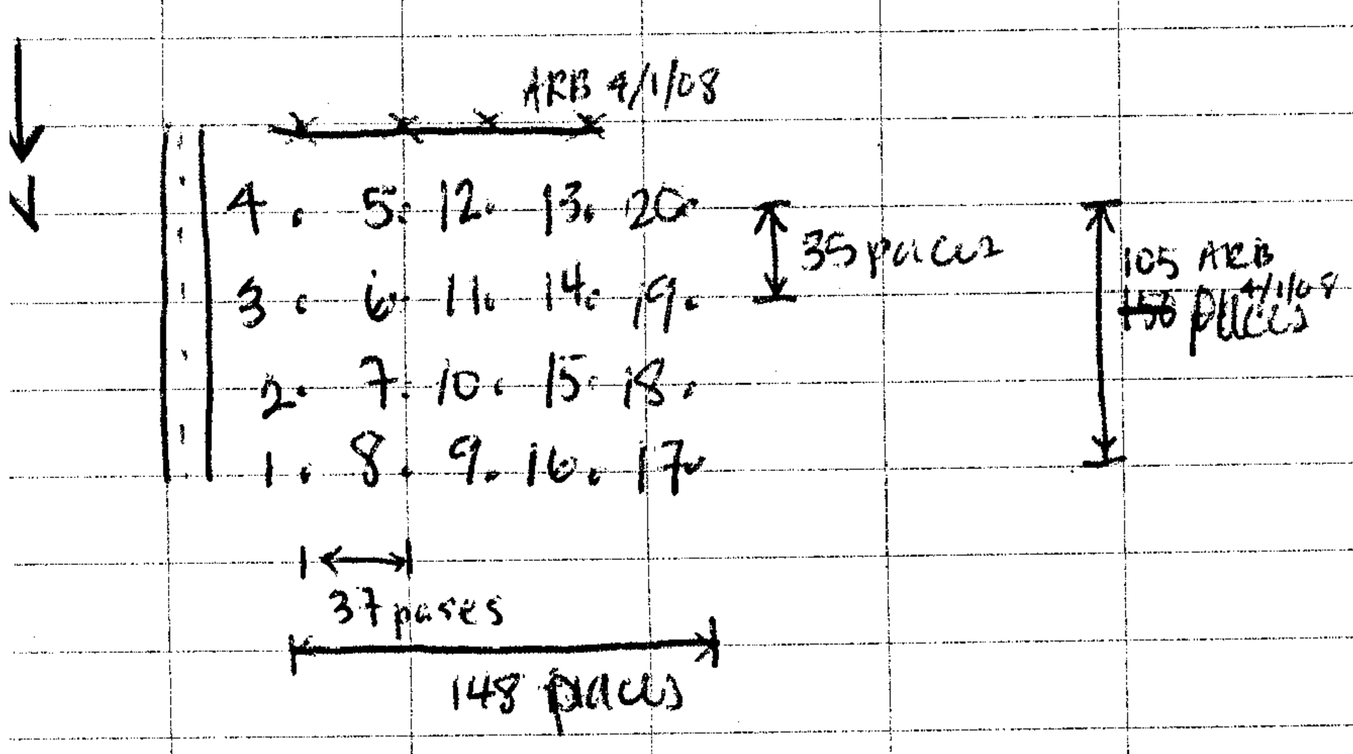
Location IRW Date 4/1/08

Project / Client Motley Rice

Weather: Sunny / Clear 70°
Task: Collect soil samples from Fife property.
Staff: Bob, Bo, Abby M, Mike R. Rashidat C.
0805 Team met @ Fife property to begin sampling.
0816 Test soil sample taken for soil saturation with H_2O
0824 Begin flagging of CP-1A



PS point #1 N 35.97320°
W 94.92123°
point #4 N 35.97263°
W 94.92071°
point #17 N 35.97244°
W 94.92255°
point #20 N 35.97171° W 94.92171°
RC 4/1/08

Location IRW Date 4/1/08

Project / Client Motley Rice

Time	#	0 - 2	2 - 4	4 - 6	NOTES
0935	1	Good	Good	Good	pic 100-6074 & 75
0938	2	Good	Good	Good	pic 100-6076 to 6078
0942	3	Good	Good	Good	pic 6079-6083
0946	4	Good	Good	Good	6084-6087
0949	5	Good	Good	Good	6088-6091
0952	6	Good	Good	Good	6092-6097
0955	7	Good	Good	Good	6098-6102
0958	8	Good	Good	Good	6103-6107
1001	9	Good	Good	Good	6108-6112
1005	10	Good	Good	Good	6113-6117
1008	11	Good	Good	Good	6118-6122
1011	12	Good	Good	Good	6123-6127
1014	13 ARB 4/1/08	Good	Good	Good	6128-6134
1025	14*	Good	Good	Good	6135-6140
1030	15	Good	Good	Good	6141-6145
1033	16	Good	Good	Good	6146-6150
1036	17	Good	Good	Good	6151-6155
1039	18	Good	Good	Good	6156-6160
1042	19*	Good	Good	Good	6161-6165
1045	20*	Good	Good	Good	6166-6170

ARB 4/1/08 * point 14 offset 10 ft to South b/c of water
point 19 offset 9 ft to South b/c of saturated ground.
point 20 offset 10 ft to NW b/c of water

STOK00533575

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Location IRW Date 4-1-08

Project / Client Motley Rice

+5 Finish sampling of CP-1A. Pictures 100-6171 to 6174 are of the entire grid area.

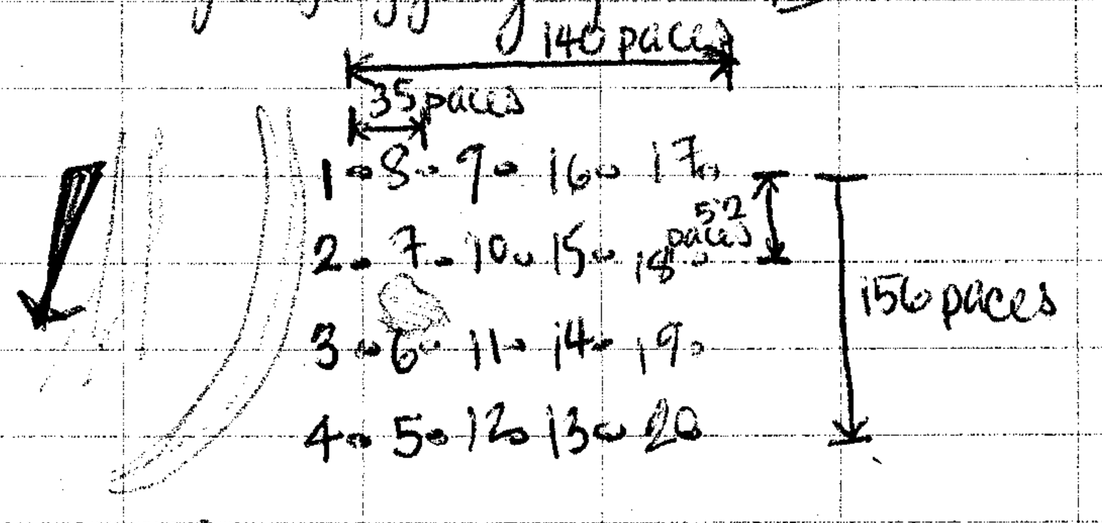
+8 Return to truck to separate out / organize samples.

25 Team leaves Fite property for Lunch.

9 Return to Fite property to sample CP-1B

8 Begin decontamination of sampling tools: Photo 6175.

2 Begin flagging of CP-1B



'S point #1 N 35.97308°
W 94.92141°

point #4 N 35.97327°
W 94.92371°

point #17 N 35.97241°
W 94.92535°

point #20 N 35.97335°
W 94.92521°

RC 4/1/08

Location IRW Date 4-1-08

Project / Client Motley Rice

TIME	#	0-2	2-4	4-6	Notes/picture
1320	1	Good	Good	Good	6176-6181
1323	2	Good	Good	Good	6182-6190
1340	3	Good	Good	Good	6191-6196
1346	4	Good	Good	Good	6196-6206
1352	5	Good	Good	Good	6207-6213
1357	6	Good	Good	Good	6214-6219
1401	7	Mod.	Mod.	Mod.	6220-6225
1404	8	Good	Good	Mod	6226-6231
1407	9	Good	Good	Good	6232-6237
1410	10	Good	Good	Good	6238-6243
1416	11	Good	Mod	Mod	6244-6249
1421	12	Good	Good	Good	6250-6254
1424	13	Good	Good	Good	6255-6258
1428	14	Good	Poor	Good	6259-6263
1435	15	Good	Good	Good	6264-6268
1439	16	Good	Good	Good	6269-6272
1442	17	Good	Good	Good	6273-6275
1446	18	Good	Good	Good	6276-6280
1451	19	Good	Good	Good	6281-6285
1455	20	Good	Good	Good	6286-6289

Duplicate samples take from 0-2.

STOK0053576

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Location IRW Date 4-1-08

Project / Client Motley Rice

) Finish sampling CP-1B. Pictures 100-6290-6294 are of the entire grid from point 1.

5 Return to truck to decontaminate sampling tools. photo 100-6295.

5 Met Mr. Fite @ prop. of Jerry H. Gathered info on the property. 15 bulls on file w/ Cherokee Nation. CP-1-B Animal production in pasture for 27yrs. Managed by farm plan since 2000. No fertilizer applied. Roundup applied occassionally for fence control, spot sprayed. Also spot sprayed for thistles.

Mr. Fite gave preliminary information on Hammond. Jerry Hammonds - owner H 918-456-9414 office 456 2248. cell 918-696-1659

Cattle run here for part of the year. Uses switch back system. Mr Fite mentioned that Thursday Tony Hallum is willing to let us sample his field. Mr. Fite would like the results of the tests done on his field. No chicken waste applied to property. Applied nitrogen + sprayed Grazon-D. CP-2-A

RC 4/1/08

Location IRW Date 4-1-08

Project / Client Motley Rice

1605 Prepare for manure sampling of CP-2A. Decontamination of supplies for cow manure sampling. Sample IDs MAN-BC-ZZ-F, MAN-BC-ZZD

1615 Enter CP-2A, Property of Jerry Hammond for manure sampling.

1617 Began dry and wet cow manure sampling. 2 donkeys 23 head of cattle in field @ time of sampling.

1647 Manure sampling complete. Packed samples on ice. Must contact Mr. Hammonds for additional info. on his fields.

Photos taken. DSCF 6296-6298 dry manure samples. DSCF 6299-6302 is wet manure samples. Fresh

DSCF 6302-6313 overview of CP-2-A

DSCF 6314-6318 Fresh manure samples.

DSCF 6319-6321 Compositing of samples.

1655 Decontamination of tools with bleach, detergent and Distilled water. Frame 6322-6323.

1725 Completed decon of tools. Packing samples for shipping.

1740 Off site @ Jerry Hammonds property

RC 4/1/08

STOK0053577

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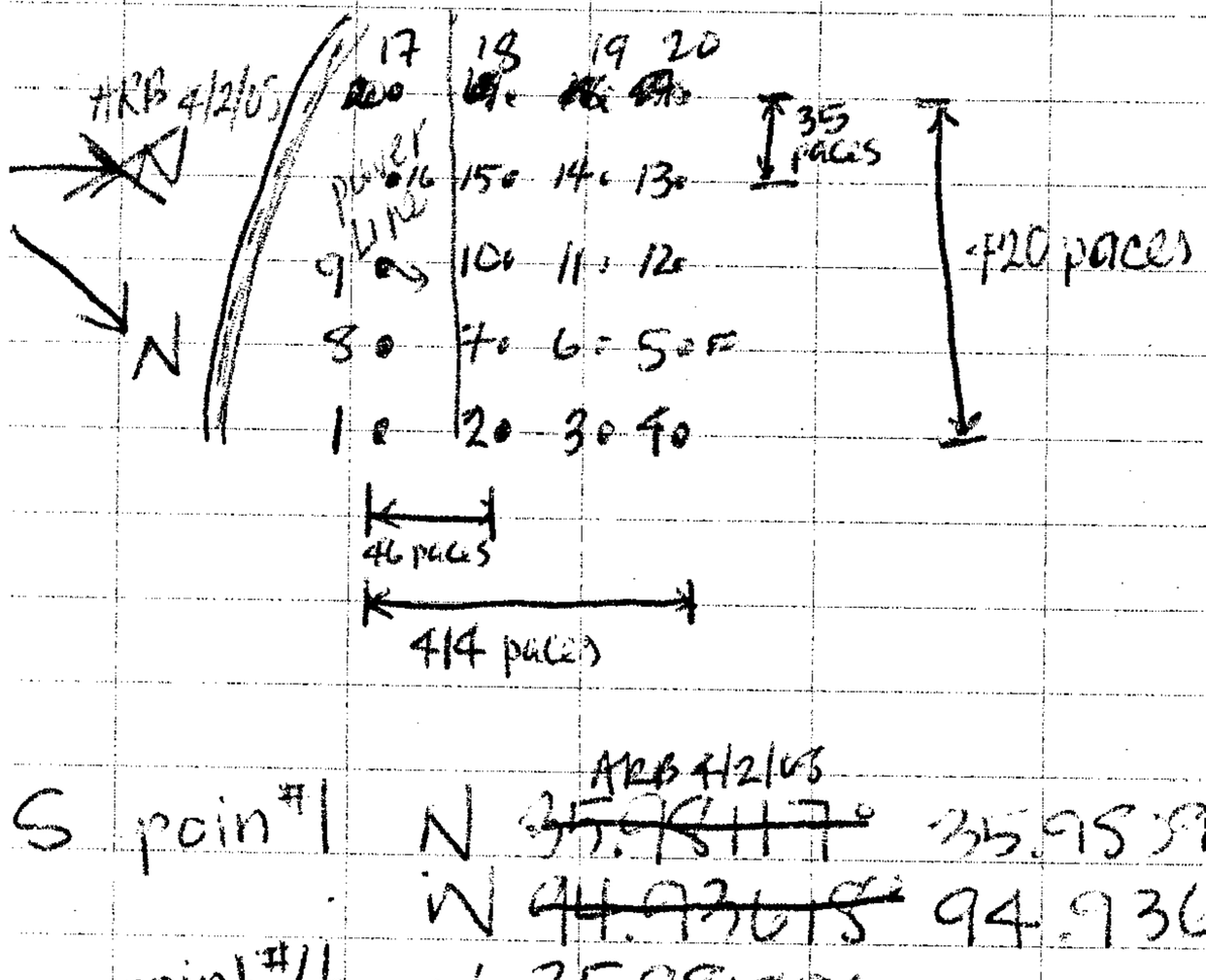
ocation IRW Date 4/2/08

roject / Client Motley Rice

15 Arrive on site @ CP-2A. Weather cold 51° and windy. Staff: Bob, Abby M, Mike R, Rosnida C. Task: Collect soil samples from Hammonds property.

25 Begin flagging CP-2A



S point #1 N ~~35.95117°~~ ARB 4/2/08 35.95390°
W ~~94.93615~~ 94.93613
point #4 N 35.98187°
W 94.93631°
point #17 N 35.98081°
W 94.93758°
point #20 N 35.98170°
W 94.93771°

otos 6324-6327: entire grid from pt. 20.
4/2/08 RC

Location IRW Date 4/2/08 47

Project / Client Motley Rice

TIME	#	0-2	2-4	4-6	Notes/photos
0848	1	Good	Good	Good	6328 - 6333
0852	2	Good	Good	Good	6334 - 6338
0857	3*	Good	Good	Good	6339 - 6343
0902	4*	Good	Good	Good	6344 - 6349
0907	5	Good	Good	Good	6350 - 6355
0913	6	Good	Good	Good	6356 - 6361
0919	7	Good	Good	Good	6362 - 6367
0924	8*	Good	Good	Good	6368 - 6371
0929	9	Good	Good	Good	6372 - 6377
0935	10	Good	Good	Good	6378 - 6383
0940	11	Good	Good	Good	6384 - 6389
0945	12	Good	Good	Good	6390 - 6395
0950	13	Good	Good	Good	6396 - 6400
0959	14	Good	Good	Good	6401 - 6404
1004	15	Good	Good	Good	6405 - 6410
1010	16	Good	Good	Good	6411 - 6416
1015	17	Good	Good	Good	6417 - 6422
1021	18	Good	Good	Good	6423 - 6426
1026	19	Good	Good	Good	6427 - 6431
1032	20	Good	Good	Good	6432 - 6436

Duplicate samples taken from 0-2 in.
* Soil is very rocky. In general entire field is rocky.

STOK0053578

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ocation IRW Date 4-2-08

Project / Client Motley

.8 Offset point #9, 3 feet to South because of manure.
9 Offset point #11, 3 feet to North because of manure.
59 Offset #14, 3 feet to the South because of manure.
,2 Offset #20, 3 ft to West because of manure.
0 Return to truck to separate and organize sample. Decontaminate sampling equipment Photos 6437
45 Off site @ CP-2A
Discussed manure sampling sites
00 w/ Bert Fisher.
44 Arrive at University of Arkansas office + cow
.56 N36.12941 W94.31312.
66 heads of cattle and 60 calves on pasture land for 60 days. Farm hands gave permission to enter field. Access agreement signed '2006.
0 Prepare to enter field for manure sampling CP-3A, Sample ID: NAN-BC-23-F NAN-BC-23-D.

RC 4/2/08

Location IRW Date 4-2-08

Project / Client Motley Rice

1515 Enter field for manure sampling. Photos taken PSCF 6438 - 6454
1540 Complete manure sampling of CP-3A. Compositing sample and decontamination of tools with bleach, detergent + DI water.
1600 Off site @ CP-3A.
1605 Wait for information for additional manure sample locations.

RC 4/2/08

STOK0053579

Case 4:05-cv-00329-GKF-PJC Document 2252-8 Filed in USDC ND/OK on 06/19/2009 Page 6 of 8

cation IRW Date 4/3/08

oject / Client Motley Rice

uz: Rainy 55°
nnel: Mike Randall, Rashida Coughurst
: Collect manure samples from fresh + dry
cowpatties at Thomas' property. Owners
are husband and wife Lavanne +
Duane Thomas. N36.13139 W 94.48512
in route to Thomas' property. Contacted
Lavanne Thomas. She gave permission,
but complained that she did not recieve
her test results from the manure
sampling in 2006. She would like
the results from that sampling and
this one. ~~N36.17194 W94.53917~~
1 Arrive at Thomas property. CP-4A.
# of cattle? 70 heads of cattle.
in pasture how long? through the winter.
how much fertilizer anually? yes, variety of fertilizer
when is fertilizer applied?
MAN-BC-24F, MAN-BC-24-D.
Lavanne Thomas says these cows have been in
two pastures all winter. They are
free to roam between two pastures.
5 Begin manure sampling of CP-4A.
56 Complete manure sampling of CP-4A
4/3/08 BC

Location IRW Date 4/3/08

Project / Client Motley Rice

6454-
1058 composited samples. Photos taken 6465
1121 Packed samples. Offsite of CP-4A.
Going to lunch.
Address 20263 Hwy 16 - Thomas' property
1200 Head to Tulsa to ship samples.
1301 Arrive @ Tulsa office to unload.

BC 4/3/08

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Location IRW Date 4/4/08

Project / Client Motley Rice

Additional notes for manure sampling:

CP-1-A ; CP-1-B Mr. Fite uses hay and protein cubes as feed for his cattle. MAN-BC-20-F, MAN-BC-20-D. MAN-BC-21-F + D.

CP-2-A Jerry Hammond property. MAN-BC-22-F, MAN-BC-22-D

type of feed - hay, some liquid feed. Not sure what type of liquid feed.

time in pasture - 30-40 yrs.

type of fertilizer - Triple 19 (19N / 19P / 19Mg)

last fertilizer application - 3 years ago.

applied poultry waste - Hammond is not sure. Maybe 10-15 years ago.

CP-4A Duane + Lavanne Thomas MAN-BC-24 F + MAN-BC-24 D.

# of cattle in field: 70

type of feed: grain - corn, oats, distillers grain, corn gluten.

mineral - 18% cow fin 10% magnesium, 14% P

sweet may

trace minerals - 2-3% P + cow fin.

type of fertilizer - urea: 150 lbs/acre in May '07

dry hen litter 2 tons/acre in Nov. '07

Location Date

Project / Client

STOK0053581