

Wnumber: 35258

Owner: NORTH LIBERTY, CITY OF; #5

County: JOHNSON (T80N R6W Sec 18 NW NW SE NW)

TD: 1717

Elev: 752

Log by: BUNKER, BILLY JOE

Log date: 05/11/1995

Depth top	Depth bot	Lithologic description
0.0	20.0	sample gap
20.0	25.0	Sd/Grav., c. -> f., A. -> r.
25.0	35.0	Sd., c., A. -> r.; REM: qtz, ign.
35.0	55.0	Sd., c. -> m., A. -> r.
55.0	60.0	Sd., brn.yel., m. -> c.; REM: qtz, ign.
60.0	70.0	Sh., grn.gr., blkcy., calc.
70.0	90.0	Sh., grn.gr., blkcy., dol.
90.0	95.0	Dol., dk. yel.brn., slt.gd., sltly. arg. (80%); Ls., lt. org.yel., f. -> m., tr. Brachs. (20%)
95.0	100.0	Dol., dk. yel.brn., slt.gd., sltly. arg. (70%); Ls., lt. org.yel., f. -> m., ptly. sdy., tr. Brachs. & tr. Crin. (20%); Ls., frag. (10%)
100.0	105.0	Dol., dk. yel.brn., slt.gd., sltly. arg. (60%); Ls., lt. org.yel., f., tr. calcite(R), scatt. Brachs. & Coral(C) (20%); Ls., frag., tr. Spores (20%)
105.0	110.0	Dol., dk. yel.brn., slt.gd., sltly. arg. (60%); Ls., lt. org.yel. -> lt. gr., f. -> m., Glauc., Brachs. & spks.&bars (20%); Ls., frag., Crin. (20%); REM: tr wht trip chert
110.0	115.0	Cht., wh., T (10%); Dol., dk. yel.brn., slt.gd., sltly. arg. (50%); Ls., lt. org.yel. -> lt. gr., f. -> m., Glauc., Brachs. & spks.&bars (40%)
115.0	120.0	Cht., wh., T (25%); Dol., dk. yel.brn., slt.gd., sltly. arg. (25%); Ls., lt. org.yel. -> lt. gr., f. -> m., Glauc., Coral(C) & Crin. (50%)
120.0	130.0	sample gap
130.0	150.0	Ls., lt. ol. gr., f., arg., Brachs. & Bryo.; REM: specks & bars, coral.
150.0	160.0	Ls., lt. ol. gr., f., arg., Brachs. & spks.&bars (80%); Ls., pale yel.brn., f., frag. (20%)
160.0	170.0	Ls., lt. ol. gr., f., arg., Brachs. & spks.&bars (60%); Ls., pale yel.brn., f., frag. (40%)
170.0	175.0	Ls., lt. ol. gr., f., arg., Brachs. & spks.&bars (50%); Ls., pale yel.brn., f., frag. (50%); REM: tr grn shale
175.0	180.0	Ls., lt. ol. gr., f., arg., Brachs. & spks.&bars (80%); Ls., pale yel.brn., f., frag. (20%)
180.0	185.0	Ls., lt. ol. gr., f., arg., Brachs. & spks.&bars (90%); Ls., pale yel.brn., f., frag. (10%)
185.0	190.0	Ls., lt. ol. gr., f., arg., Brachs. & spks.&bars (30%); Ls., pale yel.brn., f., frag. (30%); Sh., grn.gr., dol. (40%)
190.0	195.0	Ls., pale yel.brn., f. -> m., frag., abnt. Brachs. & Crin.
195.0	200.0	Ls., pale yel.brn., f. -> m., frag., abnt. Brachs. & Crin. (20%); Ls., lt. gr., sdy. & chrty. (20%); Ls., pale yel.brn., SL, tr. Sh. (60%)
200.0	205.0	Ls., pale yel.brn., SL, brec. (80%); Ls., lt. gr., f., sltly. arg., tr. Sh. (20%)
205.0	210.0	Ls., pale yel.brn., f. -> SL, brec., tr. sd grains
210.0	215.0	Ls., pale yel.brn., f. -> SL (80%); Dol., gr., f., arg. & calc. (20%); REM: tr brn shale
215.0	230.0	Dol., yel.brn., f., sac., petro.odor
230.0	235.0	Dol., yel.brn., f., sac., petro.odor (60%); Dol., lt. gr. -> dk. gr., f., arg. (40%)
235.0	250.0	Dol., lt. gr. -> dk. gr., f., arg. & slty., tr. pyrite
250.0	255.0	Dol., lt. yel.gr., m.
255.0	265.0	Dol., lt. yel.gr., m. -> f., tr. pyrite
265.0	275.0	Dol., dk. yel.brn., f.
275.0	285.0	Dol., dk. yel.brn., f., porous
285.0	290.0	Cht., wh., T -> S (30%); Dol., dk. yel.brn., f., porous (70%)

Lime CK.

Little Cedar

192 Dav.

2.4 S.G.

233

Kon

Otis

Sil

290.0	295.0	Cht., wh., T (10%); Dol., lt. yel.brn. -> dk. yel.brn., f. (90%)
295.0	300.0	Cht., wh., T (10%); Dol., lt. yel.brn. -> dk. yel.brn., f., porous, tr. Crin. (90%)
300.0	310.0	Dol., lt. gr. brn., f., porous, tr. Crin.
310.0	315.0	Dol., lt. yel.brn., f., tr. Crin.
315.0	320.0	Dol., lt. gr. brn., f., porous, tr. Crin.
320.0	325.0	Cht., wh., T (10%); Dol., lt. gr. brn., f., porous, tr. Crin. & Coral(C) (90%)
325.0	330.0	Cht., wh., T (3%); Dol., yel.brn., f., Crin. (97%)
330.0	335.0	Dol., yel.brn., f., Crin.
335.0	340.0	Cht., wh., T (10%); Dol., yel.brn., f. (90%)
340.0	345.0	Cht., wh., T (5%); Dol., yel.brn., f., Brachs. (95%)
345.0	350.0	Cht., wh., T (15%); Dol., lt. gr. brn., f., porous, scatt. Crin. (85%)
350.0	355.0	Cht., wh., T (3%); Dol., lt. gr. brn., f., porous, scatt. Crin. (97%)
355.0	360.0	Cht., wh., T (15%); Dol., lt. gr. brn., f., porous, scatt. Crin. (85%)
360.0	365.0	Cht., wh., T (5%); Dol., lt. gr. brn., f., porous, scatt. Crin. & Brachs. (95%)
365.0	370.0	Dol., lt. gr. brn., f., porous, scatt. Crin. & Brachs.
370.0	375.0	Dol., lt. gr. brn., f., porous & tr. calcite(R), Crin.
375.0	380.0	Dol., lt. yel.gr., f., porous
380.0	385.0	Dol., lt. yel.gr., f., porous, scatt. Crin.
385.0	390.0	Dol., lt. yel.gr., f., porous, scatt. Crin.
390.0	405.0	Dol., lt. yel.gr. -> dk. yel.gr., f., porous, scatt. Crin.
405.0	410.0	Cht., wh., T (20%); Dol., lt. yel.brn., f. (80%)
410.0	415.0	Cht., wh., T (2%); Dol., lt. yel.brn., f., scatt. Crin. (98%)
415.0	420.0	Dol., lt. yel.brn., f., scatt. Crin.
420.0	425.0	Dol., lt. yel.brn., f., scatt. Crin.; REM: tr grn shale
425.0	430.0	Dol., lt. yel.brn., f.
430.0	435.0	Dol., lt. yel.brn. -> lt. brn.gr., f.
435.0	445.0	Cht., wh., T (10%); Dol., lt. yel.brn., f. (90%)
445.0	450.0	Cht., wh., T (10%); Dol., lt. yel.brn., f., tr. pyrite (90%)
450.0	455.0	Cht., wh., T (10%); Dol., lt. yel.brn., f. (90%)
455.0	460.0	Cht., wh., T (2%); Dol., lt. yel.brn., f., tr. pyrite (98%)
460.0	470.0	Cht., wh., T (2%); Dol., lt. yel.brn., f. (98%)
470.0	475.0	Dol., lt. yel.brn., f.
475.0	480.0	Cht., wh., S -> T (40%); Dol., lt. yel.brn., f., tr. pyrite (60%)
480.0	485.0	Cht., wh., S -> T (30%); Dol., lt. yel.brn., f., tr. pyrite (70%)
485.0	490.0	Dol., lt. yel.brn., f. (20%); Sh., m. grn.gr., flky., dol. (80%)
490.0	500.0	Sh., m. grn.gr., flky., dol.
500.0	510.0	Sh., m. grn.gr., dol., tr. Scol.
510.0	515.0	Sh., grn.gr., dol.
515.0	520.0	Sh., grn.gr., dol., Scol. & Fish Debr.; REM: phosphatic bonebed at base
520.0	525.0	Dol., dk. yel.brn., f. -> m., frag. (70%); Sh., grn.gr., dol. (30%)
525.0	530.0	Dol., dk. yel.brn., f. -> m., frag. (30%); Sh., grn.gr., dol. (70%)
530.0	535.0	Cht., wh., T (5%); Dol., dk. yel.brn., f. -> m., frag. (15%); Sh., grn.gr., dol., tr. pyrite, Scol. (80%)
535.0	540.0	Sh., grn.gr., dol., pyrite
540.0	545.0	Dol., lt. yel.brn., f. -> m., arg. (60%); Sh., grn.gr., dol. (40%)
545.0	550.0	Dol., lt. yel.brn., f. -> m., arg. (50%); Sh., grn.gr., dol. (50%)
550.0	555.0	Dol., lt. yel.brn., f. -> m., arg. (80%); Sh., grn.gr., dol. (20%)
555.0	560.0	Dol., lt. yel.brn., f. -> m., arg., Scol.
560.0	565.0	Dol., lt. yel.brn., f. -> m., arg., Scol. & Brachs.

Porous interval
aquifer

486
1199

565.0 570.0 Dol., lt. yel.brn., f. -> m., arg., tr. pyrite, spks.&bars
570.0 575.0 Cht., wh. -> lt. gr., T (40%); Dol., lt. yel.brn., f. -> m.,
arg., Brachs. (60%)
575.0 580.0 Cht., wh. -> lt. gr., T (30%); Dol., lt. yel.brn., f. -> m.,
arg., Scol. (70%)

Wnumber: 35258

Owner: NORTH LIBERTY, CITY OF; #5

County: JOHNSON (T80N R6W Sec 18 NW NW SE NW)

TD: 1717

Elev: 752

Log by: BUNKER, BILLY JOE

Log date: 05/11/1995

SYS	SERIES	GROUP	FORMATION	MEMBER	DEPTH TOP	ELEV UNIT	THICK NESS
QUA					0	752	60
DEV	Upper		Lime Ck.		60	692	30
	Middle	L. Cedar V	Little Cedar	Rapid	90	662	96
				Solon	186	566	6
		Wapsipinic	Pinicon Ridge	Davenport	192	560	22
				Spring Gr	214	538	19
				Kenwood	233	519	17
			Otis		250	502	15
SIL					265	487	220
ORD	Upper		Maquoketa		485	267	242
		U. Galena	Wise Lake		727	25	86
	Middle	L. Galena	Dunleith		813	-61	121
			Decorah	Ion	934	-182	21
				Guttenber	955	-203	13
				Spechts F	968	-216	2
			Platteville		970	-218	65
		Ancell	Glenwood		1035	-283	4
			St. Peter Ss.		1039	-287	26
	Lower	Prairie du			1065	-313	459
CAM	Upper		Jordan		1524	-772	161
			St. Lawrence		1685	-933	32

486
 90

 396

WELL CONSTRUCTION INFORMATION

Wnumber: 35258 Owner: NORTH LIBERTY, CITY OF; #5

County: JOHNSON (T80NR6W Sec 18 NW NW SE NW)

TD: 1717 Elev: 752

CASING:

(1) DIAMETER: 18.63 (in) TYPE: Steel
DEPTH_TOP: (ft) DEPTH_BTM: 133.00 (ft) AMT: (ft)
(2) DIAMETER: 13.38 (in) TYPE: Steel
DEPTH_TOP: (ft) DEPTH_BTM: 1188.00 (ft) AMT: (ft)

[Handwritten signatures and initials]

#35258

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: NORTH LIBERT _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE 10/13-94

DEPTH	TIME O'CLOCK	MIN.	REMARKS
1195	8:15	4	OUT FROM UNDER CASING
1196	8:20	3	
1197	8:23	3	
1198	8:25	2	
1199	8:28	3	
1200	8:31	3	
1201	8:34	3	
1202	8:37	3	
1203	8:40	3	
1204	8:44	2	
1205	8:47	3	
1206	8:50	2	
1207	8:53	3	
1208	8:56	3	CLEAN SC
1209	9:01	2	
1210	9:05	2	
1211	9:08	4	
1212	9:12	3	
1213	9:15	3	
1214	9:19	3	
1215	9:20	2	
1216	9:24	4	
1217	9:28		
1218	9:32		
1219	9:36		
1220	9:40		
1221	9:44		
1222	9:48		
1223	9:52		
1224	9:56		
1225	10:00		
1226	10:04		
1227	10:08		
1228	10:12		
1229	10:16		
1230	10:20		
1231	10:24		
1232	10:28		
1233	10:32		
1234	10:36		
1235	10:40		
1236	10:44		
1237	10:48		
1238	10:52		
1239	10:56		
1240	11:00		
1241	11:04		
1242	11:08		
1243	11:12		
1244	11:16		

DEPTH	TIME O'CLOCK	MIN.	REMARKS
1245	11:20		
1246	11:24		
1247	11:28		
1248	11:32		
1249	11:36		
1250	11:40		
1251	11:44		
1252	11:48		
1253	11:52		
1254	11:56		
1255	12:00		
1256	12:04		
1257	12:08		
1258	12:12		
1259	12:16		
1260	12:20		
1261	12:24		
1262	12:28		
1263	12:32		
1264	12:36		
1265	12:40		
1266	12:44		
1267	12:48		
1268	12:52		
1269	12:56		
1270	1:00		
1271	1:04		
1272	1:08		
1273	1:12		
1274	1:16		
1275	1:20		
1276	1:24		
1277	1:28		
1278	1:32		
1279	1:36		
1280	1:40		
1281	1:44		
1282	1:48		
1283	1:52		
1284	1:56		
1285	2:00		
1286	2:04		
1287	2:08		
1288	2:12		
1289	2:16		
1290	2:20		
1291	2:24		
1292	2:28		
1293	2:32		
1294	2:36		

ROTARY DRILLING TIME SHEET # 503 KANSAS BLUE PRINT CO., WICHITA, KAN.

NORTH LIBERTY

#35258

10-14-94

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
1295	11:14	3	
1296	11:17	2	
1297	11:19	3	
1299	11:21	2	
1299	11:23	2	
1300	11:25	2	
1301	11:27	2	
1302	11:29	2	
1303	11:31	2	
1304	11:33	1	
1305	11:34		
1306			
1307			
1308			
1309			
1310			
1311			
1312			
1313			
1314	11:54	1	
1315	11:55	2	
1316	11:57	1	
1317	11:59	3	
1318	12:01	3	
1319	12:03	3	
1320	12:05	3	
1321	12:07	3	
1322	12:09	3	
1323	12:11	3	
1324	12:13	4	
1325	12:15	3	
1326	12:17	3	
1327	12:19	3	
1328	12:21	3	
1329	12:23	2	
1330	12:25	4	
1331	12:27	3	
1332	12:29	2	
1333	12:31	2	
1334	12:33	2	
1335	12:35	2	
1336	12:37	2	
1337	12:39	2	
1338	12:41	2	
1339	12:43	2	
1340	12:45	2	
1341	12:47	2	
1342	12:49	2	
1343	12:51	2	
1344	12:53	2	
1345	12:55	2	
1346	12:57	2	
1347	12:59	3	
1348	1:01	2	
1349	1:03	2	
1350	1:05	1	
1351	1:07	2	
1352	1:09	2	
1353	1:11	1	
1354	1:13	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
1355	1:15	1	
1356	1:17	2	
1357	1:19	1	
1358	1:21	1	
1359	1:23	2	
1360	1:25	1	
1361	1:27	2	
1362	1:29	1	
1363	1:31	1	
1364	1:33	2	
1365	1:35	3	
1366	1:37	1	
1367	1:39	2	
1368	1:41	1	
1369	1:43	3	
1370	1:45	1	
1371	1:47	3	
1372	1:49	2	
1373	1:51	3	
1374	1:53	2	
1375	1:55	9	Column
1376	1:57	4	
1377	1:59	2	
1378	2:01	2	
1379	2:03	1	
1380	2:05	2	
1381	2:07	2	
1382	2:09	2	
1383	2:11	1	
1384	2:13	2	
1385	2:15	2	
1386	2:17	2	
1387	2:19	2	
1388	2:21	1	
1389	2:23	2	
1390	2:25	1	
1391	2:27	2	POT ANTI IN BW
1392	2:29	2	
1393	2:31	2	
1394	2:33	1	
1395	2:35	2	
1396	2:37	1	
1397	2:39	1	
1398	2:41	2	
1399	2:43	2	
1400	2:45	1	
1401	2:47	1	
1402	2:49	1	
1403	2:51	1	
1404	2:53	1	

ROTARY DRILLING TIME SHEET # 503
KANSAS BLUE PRINT CO., WICHITA, KAN.

COMPANY North Energy FARM _____ WELL NO. _____
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Johnson STATE Texas
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE	DEPTH	TIME O'CLOCK	MIN.	REMARKS
	1405	251	1	
	1406	252	1	
	1407	253	1	CONN 1407
	1408	042	3	
	1409	043	2	
	1410	044	2	
	1411	045	1	
	1412	046	2	
	1413	047	2	
	1414	048	2	
	1415	049	1	
	1416	050	1	
	1417	051	1	
	1418	052	1	
	1419	053	3	
	1420	054	2	
	1421	055	2	
	1422	056	2	
	1423	057	3	
	1424	058	2	
	1425	059	2	
	1426	060	1	
	1427	061	1	
	1428	062	1	
	1429	063	6	
	1430	064	2	
	1431	065	5	
	1432	066	6	
	1433	067	3	
	1434	068	3	
	1435	069	2	
	1436	070	2	
	1437	071	2	
	1438	072	2	CONN 1438
	1439	073	3	
	1440	074	3	
	41	075	2	
	42	076	3	
	43	077	1	
	44	078	3	
	1445	079	1	
	46	080	3	
	47	081	2	
	48	082	3	
	49	083	2	
	1450	084	3	
	51	085	2	
	52	086	2	
	53	087	3	
	1454	088	3	

DATE	DEPTH	TIME O'CLOCK	MIN.	REMARKS
	1455	089	3	
	56	090	3	
	57	091	3	
	58	092	3	
	59	093	3	
	1460	094	3	
	61	095	3	
	62	096	3	
	63	097	4	
	64	098	3	
	1465	099	4	
	66	100	5	
	67	101	4	
	68	102	3	
	69	103	4	CONN 1469
	1470	104	3	
	71	105	2	
	72	106	3	
	73	107	3	
	74	108	4	
	1475	109	3	
	76	110	2	
	77	111	4	
	78	112	4	
	79	113	3	
	1480	114	3	
	81	115	4	
	82	116	3	
	83	117	2	
	84	118	2	
	1485	119	1	
	86	120	2	
	87	121	2	
	88	122		
	89	123		
	1490	124		
	91	125	1	
	92	126	1	
	93	127	1	
	94	128	1	
	1495	129		
	96	130		
	97	131		
	98	132		
	99	133		
	1500	134		CONN 1500
	01	135		
	02	136		
	1503	137	1	

COMPANY Winstlow Drilling FARM North Liberty WELL NO. 5
 SEC. TWP. RGE. LOC. COUNTY Johnson STATE Iowa
 CONTRACTOR SIZE HOLE 12 1/2 DRILL PIPE
 REMARKS: NDWE SIZE PUMP LINERS LENGTH STROKE

DATE 10-15-94

DEPTH	TIME O'CLOCK	MIN.	REMARKS
1504	85/452	1	
5	852/853	1	
6	854/855	1	
7	854/860	2	
8	856/86	2	
9	858/861	2	
10	860/861	1	
11	860/862	1	
12	862/862	1/2	
13	862/863	1	
14	863/864	1	
1515	864/865	1	
16	865/869	3	
17	869/869	1	
18	869/861	2	
19	861/862	2	
1520	862/862	1	
20	862/862	1	
21	862/862	1	
22	862/862	1	
23	862/862	1	
24	862/862	4	
1525	862/862	1	
26	862/862	3	
27	862/862	3	
28	862/862	2	
29	862/862	4	
1530	862/862	2	
31	862/862	2	
32	862/862	2	CONN 1532
33	862/862	1	
34	862/862	4	
1535	862/862	3	
36	862/862	2	
37	862/862	3	
38	862/862	3	
39	862/862	2	
1540	862/862	2	
41	862/862	2	
42	862/862	2	
43	862/862	2	
44	862/862	1	
1545	862/862	1	
46	862/862	1	
47	862/862	2	
48	862/862	1	
49	862/862	1	
1550	862/862	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
1551	862/862	1	
52	862/862	2	
53	862/862	3	
54	862/862	2	
1555	862/862	2	
56	862/862	2	
57	862/862	4	
58	862/862	4	
59	862/862	2	
1560	862/862	2	
61	862/862	3	
62	862/862		CONN 1562
63	10:00	3	
64	10:10	3	
1565	10:10	3	
66	10:10	3	
67	10:20	3	
68	10:20	4	
69	10:20	5	
1570	10:20	5	
71	10:20	5	
72	10:20	4	
73	10:20	5	
74	10:20	5	
1575	10:20	5	
76	10:20	5	
78	11:00	5	
78	11:00	4	
79	11:00	4	
1580	11:20	4	
81	11:20	4	
82	11:20	5	
83	11:20	4	
84	11:20	5	
1585	11:40	3	
86	11:40	3	
87	11:50	4	
88	11:50	5	
89	11:50	5	
1590	12:00	3	
91	12:00	5	
92	12:00	4	
93	12:00	4	conn 1593
94	12:00	5	
1595	12:00	7	Cleaned screen on mud pump, let pit
96	12:00		Fill up.
97	12:00	4	Air off pump.
98	12:00		
1599	12:00	1	

ROTARY DRILLING TIME SHEET #1503 KANSAS BLUE PRINT CO., WICHITA, KAN.

#35258

COMPANY

FARM North Liberty

WELL NO.

SEC. TWP. RGE. LOC.

COUNTY Johnson

STATE Iowa

CONTRACTOR Winslow Drilling

SIZE HOLE 12 1/4

DRILL PIPE 5 1/2

REMARKS: Drinking Lots of water

SIZE PUMP LINERS

LENGTH STROKE

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
1600	442		
	445	3	
01	445/44	1	
02	446/44	2	
03	448/51	3	
04	451/54	3	
1605	454/57	3	
06	457/50	3	
07	500/52	2	
08	503/54	2	
09	504/55	1	
10	505/56	1	
11	506/56	2	
12	508/59	1	
13	509/59	1	
14	510/51	1	
15	511/52	1	
16	512/53	1	
17	513/54	1	
18	514/55	1	
19	515/55	1	
1620	517/57	1	
	517/58	1	
22	518/59	1	
23	519/20	1	
24	520/21	1	CONN 1624
25	521/21	1	
26	522/21	1	
27	523/21	1	
28	524/21	1	
29	525/21	1	
30	526/21	1	
31	527/21	1	
32	528/21	1	
33	529/21	1	
34	530/21	1	
35	531/21	1	
36	532/21	1/2	
37	533/21	1/2	
38	534/21	1/2	
39	535/21	1	
40	536/21	1	
41	537/21	1/2	
42	538/21	1/2	
43	539/21	1/2	
44	540/21	1/2	
45	541/21	1/2	
46	542/21	1/2	
47	543/21	1/2	
48	544/21	1/2	
49	545/21	1/2	
50	546/21	1/2	
51	547/21	1/2	
52	548/21	1/2	
53	549/21	1/2	
54	550/21	1/2	
55	551/21	1/2	
56	552/21	1/2	
57	553/21	1/2	
58	554/21	1/2	
59	555/21	1/2	
60	556/21	1/2	
61	557/21	1/2	
62	558/21	1/2	
63	559/21	1/2	
64	560/21	1/2	
65	561/21	1/2	
66	562/21	1/2	
67	563/21	1/2	
68	564/21	1/2	
69	565/21	1/2	
70	566/21	1/2	
71	567/21	1/2	
72	568/21	1/2	
73	569/21	1/2	
74	570/21	1/2	
75	571/21	1/2	
76	572/21	1/2	
77	573/21	1/2	
78	574/21	1/2	
79	575/21	1/2	
80	576/21	1/2	
81	577/21	1/2	
82	578/21	1/2	
83	579/21	1/2	
84	580/21	1/2	
85	581/21	1/2	
86	582/21	1/2	
87	583/21	1/2	
88	584/21	1/2	
89	585/21	1/2	
90	586/21	1/2	
91	587/21	1/2	
92	588/21	1/2	
93	589/21	1/2	
94	590/21	1/2	
95	591/21	1/2	
96	592/21	1/2	
97	593/21	1/2	
98	594/21	1/2	
99	595/21	1/2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
1650	603		
	603	1/2	
51	603/05	2	
52	605/06	1	
53	606/09	3	
54	609/11	2	
55	611/15	4	CONN 1655
56	614/16	2	
57	616/18	2	
58	618/19	1	
59	619/19	1	
1660	659/51	1	
61	651/53	2	
62	653/55	2	
63	655/57	2	
64	657/59	2	
65	659/00	1	
66	700/01	1	
67	703/03	2	
68	705/05	2	
69	707/06	1	
1670	706/08	2	
71	708/10	2	
72	710/12	2	
73	712/14	2	
74	714/15	1	
75	715/16	1	
76	716/18	2	
77	718/20	2	
78	720/22	2	
79	722/25	3	
1680	725/27	2	
81	727/29	2	
82	729/31	2	
83	731/33	2	
84	733/35	2	
85	735/38	2	
86	737/40	2	CONN 1686
87	739/42	2	
88	741/44	2	
89	743/46	2	
1690	745/48	2	
91	747/50	2	
92	749/52	3	
93	751/54	2	
94	753/56	2	
95	755/58	3	
96	757/60	3	
97	759/62	3	
98	761/64	3	
99	763/66	3	

ROTARY DRILLING TIME SHEET # 503
KANSAS BLUE PRINT CO., WICHITA, KAN.

