NGS FORM-292

AERONAUTICAL DATA SHEET
NATIONAL GEODETIC SURVEY

DATE GENERATED: 07/02/2003

PROJECT NUMBER: 5427
ARPT IDENTIFIER: RVS — SITE NUMBER: 19279.1A
ARPT NAME: RICHARD LLOYD JONES JR AIRPORT — SURVEY DATE: 12/08/2002
CITY: TULSA — HORIZONTAL DATUM: NAD83
STATE: OKLAHOMA — VERTICAL DATUM: NAVD88
ARPT ELEVATION: 637.9 — DISTANCE FROM RWY END: 19R+0 — ATCT FLOOR ELEV: 676.0
AIRPORT REFERENCE POINT — LATITUDE: 360222.6 — LONGITUDE: -955904.7 — DECLINATION: 4.5E

RUNWAY INFORMATION

RUNWAY: 1L/19R — LENGTH: 5102 — WIDTH: 100 — SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA — DISPLACED THRESHOLD DATA

RWY	GEODETIC LATITUDE	GEODETIC LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
1L	360158.8387	-955916.3410	621.5	132016	625.8				
19R	360247.9256	-955902.0105	637.9	1932024	637.9				

PROFILE DATA

DISTANCES FROM APPROACH END 1L

DISTANCE	ELEV
0	621.5
2775	625.8
4066	625.3
5102	637.9

DISTANCES FROM APPROACH END 19R

DISTANCE	ELEV
0	637.9
1036	625.3
2326	625.8
5102	621.5

RUNWAY: 1R/19L — LENGTH: 4208 — WIDTH: 100 — SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA — DISPLACED THRESHOLD DATA

RWY	GEODETIC LATITUDE	GEODETIC LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
1R	360202.4688	-955906.5209	619.0	132025	623.7				
19L	360242.9535	-955854.6995	630.0	1932032	630.0	142	360241.5904	-955855.0976	630.0

DISTANCES FROM APPROACH END 1R

DISTANCE	ELEV
0	619.0
1832	621.7
3202	624.1
4066	630.0
4208	630.0

DISTANCES FROM APPROACH END 19L

DISTANCE	ELEV
0	630.0
142	630.0
1006	624.1
2375	621.7
4208	619.0

RUNWAY: 13/31 LENGTH: 2808 WIDTH: 50 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA

RWY	GEODETIC LATITUDE	GEODETIC LONGITUDE	ELEV	AZ (N)	TDZE
13	360230.5028	-955915.0884	623.8	1330232	
31	360211.5532	-955850.1067	614.6	3130246	

DISPLACED THRESHOLD DATA

LENGTH	LATITUDE	LONGITUDE	ELEV

PROFILE DATA

DISTANCES FROM APPROACH END 13

DISTANCE	ELEV
0	623.8
735	625.8
1541	621.7
2099	620.1
2808	614.6

DISTANCES FROM APPROACH END 31

DISTANCE	ELEV
0	614.6
709	620.1
1266	621.7
2072	625.8
2808	623.8

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NAVIGATIONAL AID INFORMATION

ELECTRONIC		LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
GS	(1L)	360206.7009	-955909.6674	619.3		
GS	(1L) PP	360207.4993	-955913.8130	622.6	350R	900
LOC	(1L)	360251.8007	-955900.8799	634.4		403
MM	(1L)	360133.7990	-955923.6437			2602
OM	(1L)	355624.8782	-960055.0215			34732
VOR/DME	(GNP)	355515.2412	-955807.1451	810.4		

VISUAL		LATITUDE	LONGITUDE
APBN		360232.6004	-955848.5721
PAPI	(1L)		
PAPI	(19R)		
VASI	(1R)		
VASI	(13)		
VASI	(19L)		
VASI	(31)		

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OBSTRUCTION INFORMATION

1L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	360206.70	-955909.67	1A	667	45	41	29	-900			350R	44
RD(N)	360153.29	-955925.17	1A	634	12	8	-4	713			577L	3
TREE	360143.81	-955913.79	1A	651	29	25	13	1430			554R	5
TREE	360139.20	-955918.56	1A	661	39	35	23	1974			281R	4
TREE	360137.45	-955915.31	1A	672	50	46	34	2085			582R	13
TREE	360136.86	-955920.30	1A	663	41	37	25	2238			197R	1
TREE	360135.60	-955914.30	1A	670	48	44	32	2248			705R	7
TREE	360135.87	-955916.91	1A	663	41	37	25	2271			491R	0
TREE	360132.72	-955925.31	1A	681	59	55	43	2740			107L	9
TREE	360130.94	-955925.79	1A	680	58	54	42	2924			104L	4
TREE	360129.12	-955917.18	1A	680	58	54	42	2940			627R	3
TREE	360125.64	-955919.97	1A	702	80	76	64	3335			485R	18
TREE	360123.08	-955921.60	1A	692	70	66	54	3618			414R	2
TREE	360123.29	-955925.96	1A	706	84	80	68	3680			61R	15
TREE	360109.75	-955935.63	1A	709	87	83	71	5196			397L	-12

19R BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GS	360206.70	-955909.67	1A	667	29	29	29	-4201			350L	44
OL ON LOC	360251.80	-955900.88	1A	642	4	4	4	403			0R	-6
ANT ON BLDG	360253.29	-955903.74	1A	648	10	10	10	495			264R	-5
RR CROSSING GATE	360254.05	-955856.57	1A	651	13	13	13	705			292L	-12

1R BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
RR	360244.00	-955851.56	1A	646		27	22	8	-4370		227R	16
TREE	360154.15	-955905.06	1A	665		46	41	27	791		*311R	16
TREE	360143.81	-955913.79	1A	651		32	27	13	1974		146L	-57
TREE	360139.20	-955918.56	1A	661		42	37	23	2517		419L	-74
TREE	360137.45	-955915.31	1A	672		53	48	34	2628		118L	-69
TREE	360136.86	-955920.30	1A	663		44	39	25	2781		504L	-85
TREE	360134.89	-955910.57	1A	685		66	61	47	2791		320R	-64
TREE	360135.60	-955914.30	1A	670		51	46	32	2792		5R	-79
TREE	360135.87	-955916.91	1A	663		44	39	25	2814		209L	-87
TREE	360129.12	-955917.18	1A	680		61	56	42	3484		73L	-103
TREE	360127.32	-955912.93	1A	684		65	60	46	3580		308R	-104
TREE	360125.64	-955919.97	1A	702		83	78	64	3879		215L	-101
TREE	360123.08	-955921.60	1A	692		73	68	54	4161		286L	-125
TREE	360123.29	-955925.96	1A	706		87	82	68	4223		639L	-114

19L BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
RR	360244.00	-955851.56	1A	646		16	16	8	163	304	227L	16
TREE	360244.82	-955851.20	1A	669		39	39	31	250	392	236L	36
POLE	360247.80	-955849.16	1A	673		43	43	35	582	724	*330L	24
POLE	360252.23	-955850.53	1A	664		34	34	26	991	1133	117L	-5
TREE	360300.86	-955850.39	1A	700		70	70	62	1844	1985	73R	-12

13 AV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	360236.73	-955928.02	1A	679		55	679	41	1206		*265R	4
TREE	360240.71	-955924.12	1A	687		63	687	49	1247		*248L	11
TREE	360241.02	-955926.85	1A	707		83	707	69	1431		118L	21
TREE	360239.73	-955928.61	1A	704		80	704	66	1449		76R	17
TREE	360238.85	-955930.41	1A	706		82	706	68	1496		242R	17
TREE	360242.51	-955927.59	1A	714		90	714	76	1579		187L	21

13 AV (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	360243.43	-955933.45	1A	721	97		721	83	1994		74R	7

31 AV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE	360202.66	-955833.34	1A	655	40		655	17	1620		*283R	-31
TREE	360158.98	-955831.90	1A	679	64		679	41	1961		92R	-24
TREE	360155.38	-955830.61	1A	698	83		698	60	2287		102L	-21
TREE	360155.32	-955828.16	1A	699	84		699	61	2438		31R	-27
TREE	360151.01	-955828.80	1A	709	94		709	71	2697		324L	-31

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE	PNTR
LT ON POLE	360219.07	-955853.76	1A	645	7		10710	967	-7
ANT ON TWR	360231.28	-955852.90	1A	673	35		4319	1308	25
OL HGR	360215.87	-955921.42	1A	665	27		23908	1533	-2
HGR	360235.29	-955915.26	1A	640	2		32126	1549	-20
OL ON APBN	360232.60	-955848.57	1A	681	43		4808	1667	-13
TREE	360235.58	-955850.97	1A	689	51		3610	1731	31
OL HGR	360204.81	-955856.47	1A	682	44		15454	1922	-9
TREE	360239.49	-955850.35	1A	688	50		3007	2075	33
ANT ON OL ATCT	360209.13	-955925.25	1A	704	66		22635	2169	17
ROD ON OL BLDG	360200.77	-955858.26	1A	688	50		16201	2270	5
TREE	360244.20	-955913.58	1A	700	62		33702	2303	20
TREE	360236.73	-955928.02	1A	679	41		30213	2390	-1
TREE	360240.71	-955924.12	1A	687	49		31426	2429	9
ANT	360201.46	-955926.92	1A	683	45		21559	2811	3
POLE	360247.80	-955849.16	1A	673	35		2206	2850	18
ANT ON HGR	360200.36	-955926.03	1A	673	35		21324	2851	7
TREE	360154.15	-955905.06	1A	665	27		17605	2877	16
POLE	360202.66	-955833.34	1A	655	17		12333	3271	-33
TREE	360148.16	-955904.98	1A	683	45		17552	3483	-7

ARP HCT (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE	PNTR
TREE	360154.57	-955835.96	1A	695		57	13543	3689	-33
TRMSN TWR	360216.55	-955808.20	1A	769		131	9300	4681	-19
TREE	360127.32	-955912.93	1A	684		46	18223	5631	-6
TREE	360125.64	-955919.97	1A	702		64	18747	5895	-86
TRMSN TWR	360230.87	-955752.51	1A	766		128	7728	5987	-22
TREE	360123.08	-955921.60	1A	692		54	18829	6177	-96
TREE	360123.29	-955925.96	1A	706		68	19144	6247	-82
TREE	360246.05	-960042.71	2C	806		168	28155	8392	18
TRMSN TWR	360346.42	-955937.77	1A	833		195	33744	8901	45
STROBE LTD ANT ON BLDG	360235.32	-955712.59	1A	1311	690	673	7732	9297	523
TREE	360335.49	-960018.95	1A	872		234	31554	9566	84
TK	360313.53	-960042.99	1A	915		277	29802	9575	127
TRMSN TWR	360356.09	-955924.54	1A	817		179	34543	9593	29
TREE	360403.08	-955921.36	2C	946		308	34750	10253	158
OL TWR	360302.63	-955708.56	1A	854	213	216	6229	10361	66
TREE	360347.27	-960021.49	2C	862		224	31908	10634	74
TREE	360410.46	-955929.84	2C	931		293	34447	11101	143
TRMSN TWR	360412.14	-955937.83	1A	965		327	34142	11406	177
TREE	360413.47	-955957.21	1A	904		266	33428	12013	116

ADDITIONAL INFORMATION:

AERONAUTICAL DATA IS AVAILABLE ON THE INTERNET AT HTTP://WWW.NGS.NOAA.GOV.

ADDITIONAL INFORMATION ON DATA STANDARDS CAN BE FOUND IN FAA NO. 405, "STANDARDS FOR AERONAUTICAL SURVEYS AND RELATED PRODUCTS".

AN ASTERISK "*" INDICATES THAT THIS OBJECT IS OUTSIDE, BUT WITHIN 50 FEET, OF THE OBSTRUCTION IDENTIFICATION SURFACE.