

OBSTRUCTION DATA SHEET

**ODS 301
WILL ROGERS WORLD AIRPORT
OKLAHOMA CITY, OKLAHOMA**

DIGITIZED FROM

**OC 301
SURVEYED MARCH 1992
12TH EDITION**

**HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29**



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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA No. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS and the OC depict a representation of objects that existed at the time of the OC field survey.

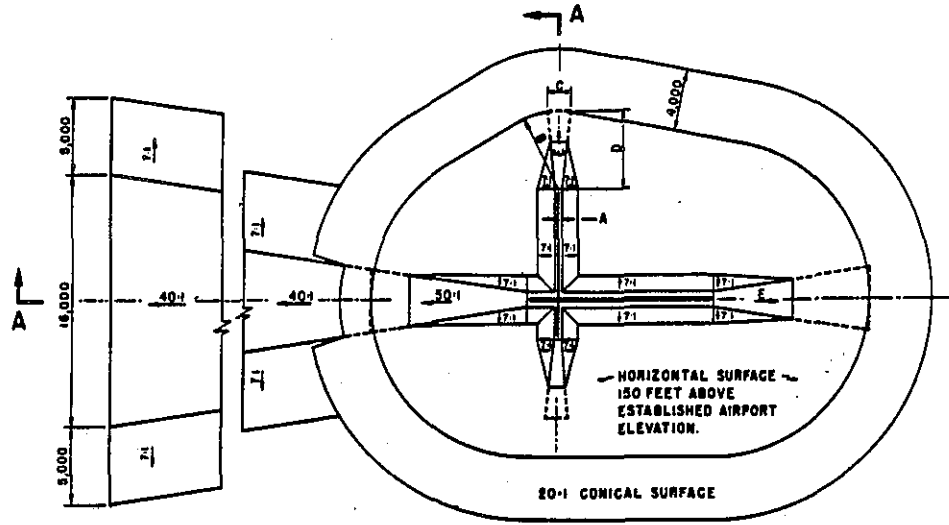
ODS information is arranged as follows:

1. Objects located in an FAR-77 approach or primary and listed with the associated runway (reference runway).
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

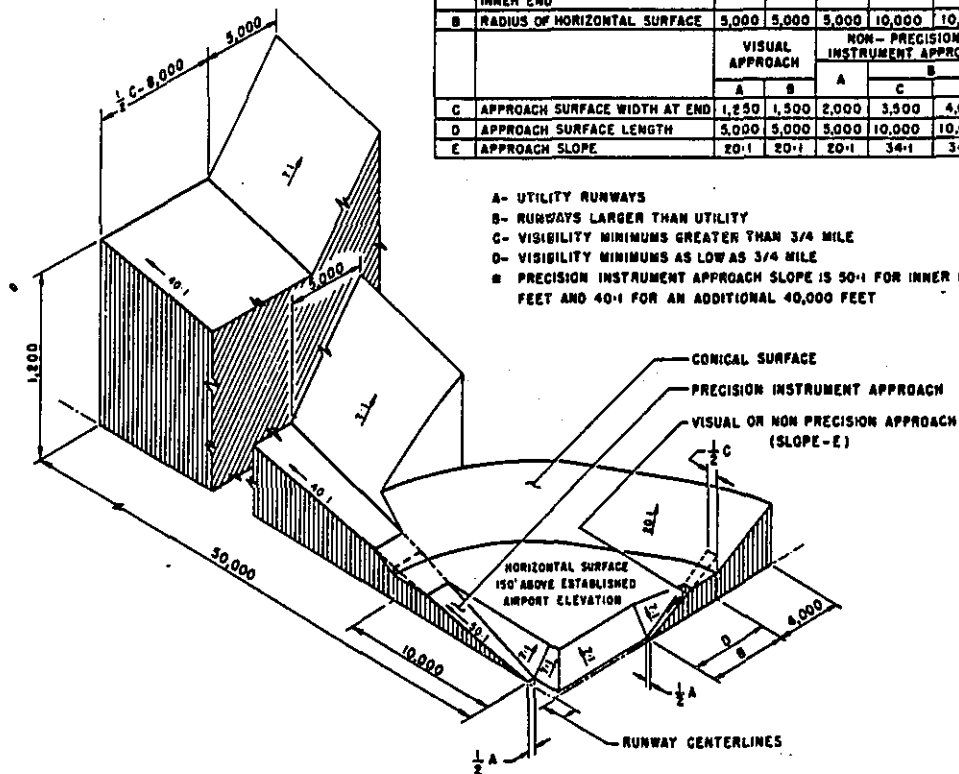
- A(V) Utility runway - visual approach only
- A(NP) Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway- nonprecision instrument approach with visibility minimums as low as 3/4 mile
- PIR Precision instrument runway
- SUPLC Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

- A- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- * PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

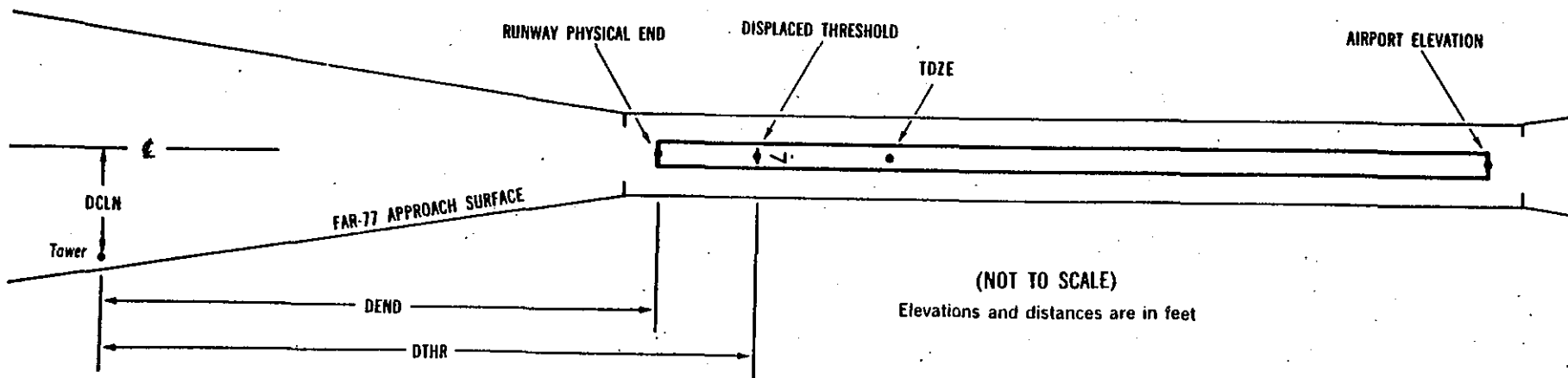
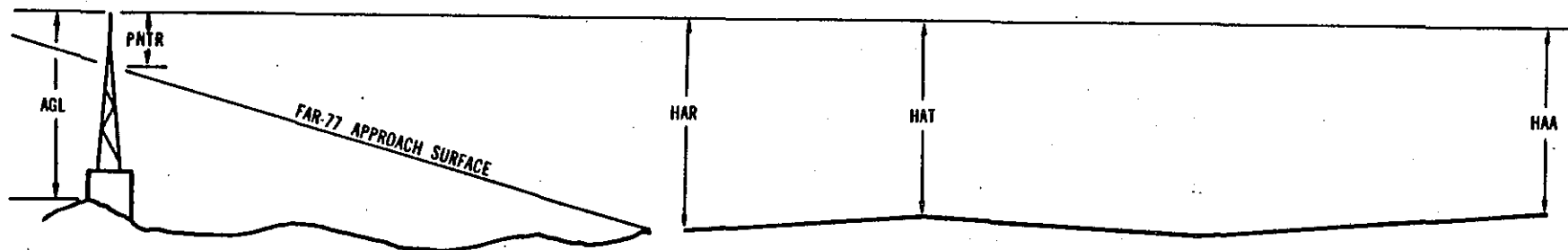
OC XXXX

AIRPORT ELEVATION XXXX

X¹ X² XXXX/XXXX³ XXXXXX.XXX⁴ XXXXXXXX.XXX⁴ XXXXXXXX⁵ XXXX/XXXX⁶ XXXXXX.XXX⁷ XXXXXXXX.XXX⁷

OBJECT LAT LONG A⁸ ELEV⁹ AGL¹⁰ HAR¹¹ HAT¹¹ HAA¹¹ DEND¹² DTHR¹² DCLN¹² PNTR¹³

XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX



EXPLANATION OF FOOTNOTES

- 1 Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary areas of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.
- 2 For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed).
- 3 Elevation at approach end of reference runway/touchdown zone elevation
- 4 Latitude and longitude at approach end of reference runway
- 5 Geodetic azimuth of reference runway reckoned from north
- 6 Elevation at reference runway displaced threshold/touchdown zone elevation
- 7 Latitude and longitude at reference runway displaced threshold
- 8 Accuracy codes: Horizontal Vertical
 1 = 20 A = 2
 2 = 40 B = 5
 C = 20
- 9 Elevation above mean sea level (MSL) at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.
- 10 Height above ground level (AGL). AGL's are provided only for manmade objects appearing on the OC and equal to or greater than 200 feet AGL. AGL accuracy is 10 feet.
- 11 HAA - Height above airport
 HAR - Height above approach end of reference runway
 HAT - Height above reference runway touchdown zone elevation
- 12 DEND - Distance along reference runway centerline from point nearest to object (perpendicular) to approach end of runway
 DTHR - Distance along reference runway centerline from point nearest to object (perpendicular) to displaced threshold
 DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft
- A negative value for DEND or DTHR indicates that object is in primary on roll-out side of zero distance point.
- 13 PTNR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

0C0301

AIRPORT ELEVATION 1295

13 SUPLC 1279/1279 352416.591 -973657.261 1350327.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	352412.73	-973648.30	1A	1284		5	5	-11	-800		249L	7
TREE	352425.50	-973706.54	1A	1299		20	20	4	1180		93L	-8
TREE	352435.04	-973711.65	1A	1320		41	41	25	2162		475L	-16

31 SUPLC 1286/1286 352321.984 -973550.717 3150406.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	352412.73	-973648.30	1A	1284		-2	-2	-11	-7000		249R	7
OL ON LTD WSK	352251.53	-973523.17	1A	1289		3	3	-6	3791		560L	-102
ROD ON OL TMOM	352256.45	-973514.60	1A	1300		14	14	5	3940		294R	-96
ROD ON OL TMOM	352254.00	-973513.74	1A	1300		14	14	5	4166		170R	-102
ROD ON OL GS	352252.40	-973515.30	1A	1317		31	31	22	4189		36L	-86

17L D 1286/1286 352418.572 -973520.197 1795736.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	352251.53	-973523.17	1A	1289		3	3	-6	-8801		253R	3
ROD ON OL GS	352252.40	-973515.30	1A	1317		31	31	22	-8713		400L	31
ROD ON OL TMOM	352256.45	-973514.60	1A	1300		14	14	5	-8304		458L	13
OL ON EQUIPMENT BOX	352319.64	-973523.55	1A	1300		14	14	5	-5959		281R	5
ROD ON OL TMOM	352406.16	-973514.56	1A	1300		14	14	5	-1256		466L	14
OL ON LTD WSK	352407.79	-973523.22	1A	1291		5	5	-4	-1090		251R	5
ROD ON OL TMOM	352408.57	-973515.40	1A	1300		14	14	5	-1012		397L	14
GROUND	352421.85	-973526.21	1A	1288		2	2	-7	331		497R	-2
OL ON LOCALIZER	352430.14	-973520.20	1A	1305		19	19	10	1169		OR	-10
ANT ON BLDG AT OL DME	352430.97	-973523.16	1A	1313		27	27	18	1254		244R	-4
ROD ON TOWER	352440.40	-973520.27	1A	1315		29	29	20	2207		4R	-30

OC0301

AIRPORT ELEVATION 1295

35R PIR 1283/1294 352241.640 -973520.115 3595736.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL TMOM	352408.57	-973515.40	1A	1300		17	6	5	-8789		397R	14
OL ON LTD WSK	352407.79	-973523.22	1A	1291		8	-3	-4	-8711		251L	5
ROD ON OL TMOM	352406.16	-973514.56	1A	1300		17	6	5	-8546		466R	14
OL ON EQUIPMENT BOX	352319.64	-973523.55	1A	1300		17	6	5	-3843		281L	5
ROD ON OL TMOM	352256.45	-973514.60	1A	1300		17	6	5	-1497		458R	13
ROD ON OL GS	352252.40	-973515.30	1A	1317		34	23	22	-1088		400R	31
OL ON LTD WSK	352251.53	-973523.17	1A	1289		6	-5	-6	-1000		253L	3
ANT ON BUILDING	352229.27	-973523.30	1A	1289		6	-5	-6	1250		264L	-15
TREE	352218.25	-973529.49	1A	1319		36	25	24	2365		778L	-7
ANTENNA ON POLE	352211.77	-973520.09	1A	1309		26	15	14	3020		OR	-30

17R PIR 1282/1282 352421.419 -973620.602 1795715.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	352254.40	-973617.45	1A	1271		-11	-11	-24	-8799		254L	2
GROUND	352331.78	-973615.27	1A	1282		0	0	-13	-5020		437L	2
OL ON LTD WSK	352413.45	-973617.54	1A	1289		7	7	-6	-806		253L	7
POST	352421.89	-973626.59	1A	1287		5	5	-8	48		495R	5
BUILDING	352431.36	-973623.73	1A	1282		0	0	-13	1005		258R	-16
ROAD (N)	352440.21	-973611.52	1A	1307		25	25	12	1900		754L	-9

0C0301

AIRPORT ELEVATION 1295

35L C 1263/1277 352244.501 -973620.508 3595715.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POST	352421.89	-973626.59	1A	1287		24	10	-8	-9848		495L	5
OL ON LTD WSK	352413.45	-973617.54	1A	1289		26	12	-6	-8993		253R	7
GROUND	352331.78	-973615.27	1A	1282		19	5	-13	-4780		437R	2
OL ON LTD WSK	352254.40	-973617.45	1A	1271		8	-6	-24	-1001		254R	2
OL ON LOCALIZER	352231.64	-973620.50	1A	1265		2	-12	-30	1301		OR	-31
ROD ON OL DME	352231.19	-973618.01	1A	1272		9	-5	-23	1346		205R	-25
TREE	352225.90	-973612.46	1A	1289		26	12	-6	1881		665R	-24

18 AV 1275/ 352336.720 -973627.805 1795754.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	352343.43	-973629.66	1A	1295		20		0	679		154R	-4
ROD ON OL GS	352410.04	-973626.65	1A	1313		38		18	3369		97L	-120
OL ON HANGAR	352421.51	-973630.91	1A	1335		60		40	4529		254R	-156
POST	352421.89	-973626.59	1A	1287		12		-8	4567		104L	-206

36 AV 1271/ 352307.302 -973627.783 3595754.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
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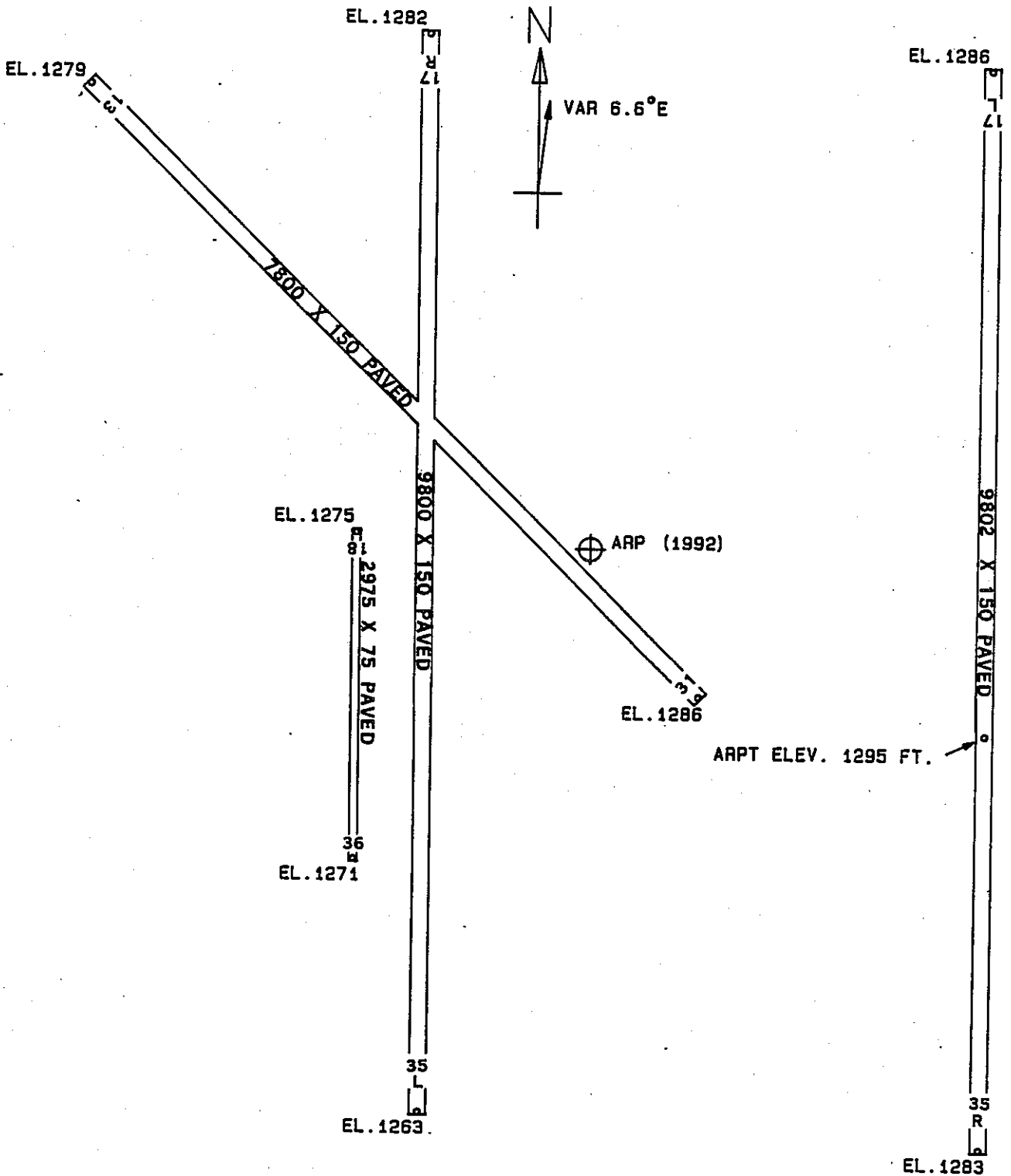
*** NO OBSTRUCTIONS ***

OC0301

AIRPORT ELEVATION 1295

ARP 352335.161 -973602.656

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON LTD WSK	352327.23	-973601.42	1A	1291		-4	16607	808
ROD ON OL APBN	352319.90	-973602.76	1A	1335		40	17343	1543
STACK	352342.47	-973544.68	1A	1345		50	5659	1662
OL ON AMOM	352318.02	-973601.83	1A	1300		5	17107	1734
ANT ON OL ATCT	352353.42	-973600.87	1A	1436		141	35759	1852
OL ON HANGAR	352357.45	-973608.12	1A	1315		20	34202	2298
ROD ON OL DOME	352405.57	-973605.30	1A	1367		72	34920	3082
OL ON HANGAR	352412.96	-973608.30	1A	1338		43	34626	3851
ROD ON OL TMOM	352330.10	-973512.79	1A	1309		14	9027	4160
ROD ON OL TMOM	352327.67	-973512.01	1A	1310		15	9337	4261
LIGHT STANDARD	352405.85	-973651.65	1A	1302		7	30049	5107
OL ON STACK	352403.86	-973653.45	1A	1336		41	29800	5109
HANGAR	352420.84	-973645.09	1A	1337		42	31608	5803
ROD ON TOWER	352236.35	-973606.35	1A	1320		25	17620	5955
OL ON WATER TANK	352357.94	-973719.94	1B	1434		139	28311	6801
OL ON WATER TANK	352236.39	-973336.82	1B	1406		111	10935	13459



TOUCHDOWN ZONE RUNWAY ELEVATION	
13	1279
31	1286
17L	1286
35R	1294
17R	1282
35L	1277

WILL ROGERS WORLD AIRPORT
 OKLAHOMA CITY, OKLAHOMA
 (NOT TO SCALE)