

OBSTRUCTION DATA SHEET

**ODS 6239
FRIEDMAN MEMORIAL AIRPORT
HAILEY, IDAHO**

DIGITIZED FROM

**OC 6239
SURVEYED JUNE 1991
2ND EDITION**



PREPARED AND DISTRIBUTED BY
THE NATIONAL OCEAN SERVICE
U.S. DEPARTMENT OF COMMERCE
FOR THE FEDERAL AVIATION ADMINISTRATION

ATTENTION

See SPECIAL NOTICES in "Dates of Latest Editions, Airport Obstruction Charts - Obstruction Data Sheets," for possible corrections. National Oceanic and Atmospheric Administration (NOAA) publications are available through NOAA Distribution Branch (N/CG33), National Ocean Service, Riverdale, MD 20737. Telephone: 301-436-6990

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 Nr. 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 OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

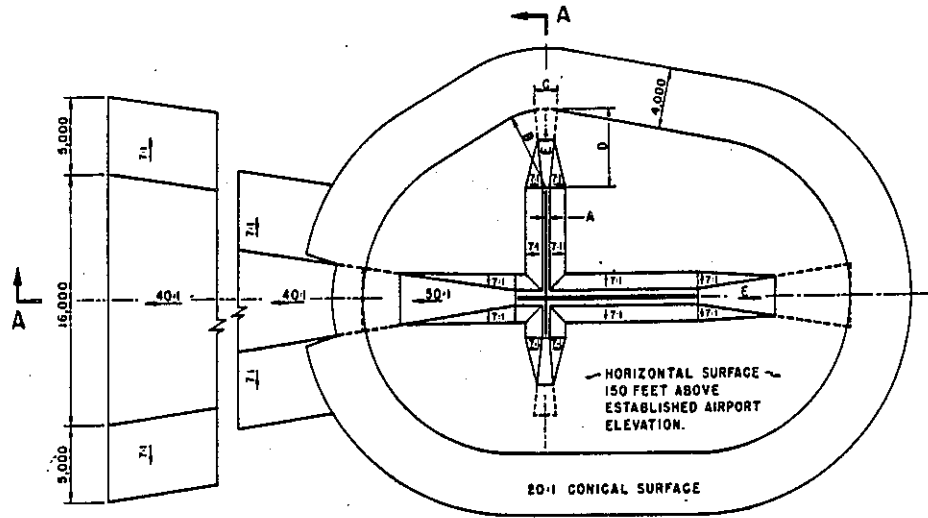
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)
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 (see footnote 2 on page 3):

- 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)

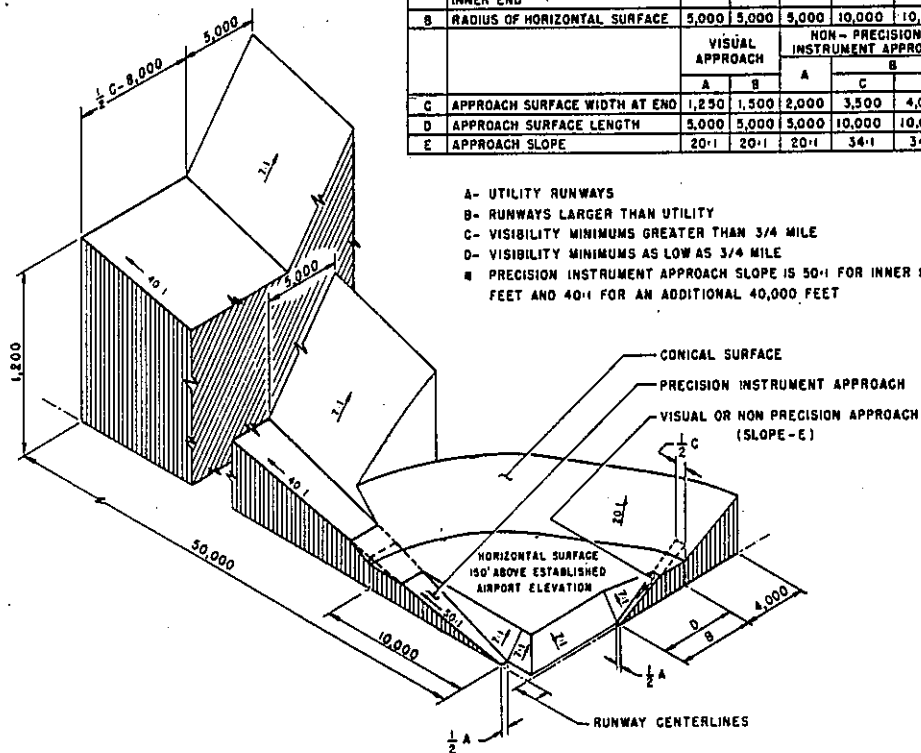
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



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
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH		PRECISION INSTRUMENT APPROACH	
		A	B	A	B		
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

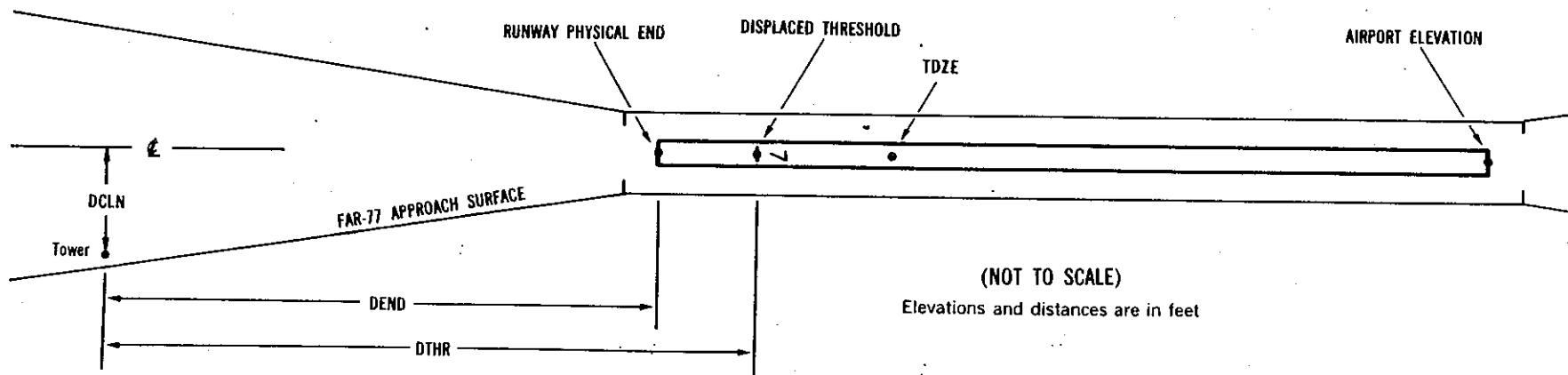
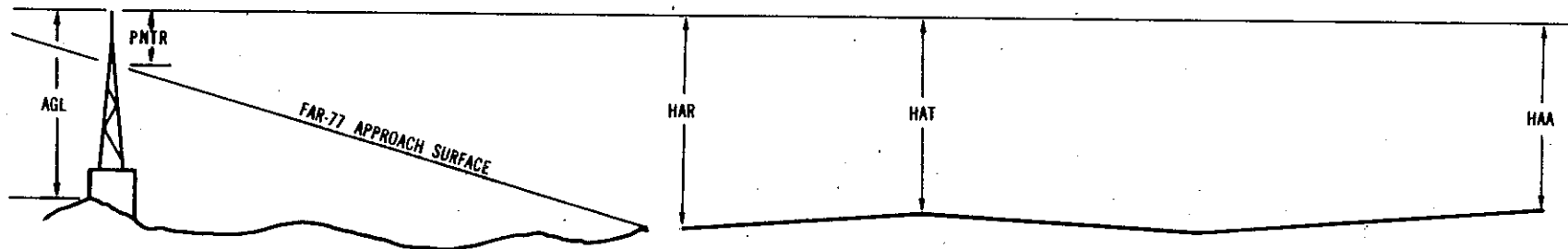
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X ¹	X ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXXXX.XXX ⁷				
OBJECT	LAT	LONG	A ⁸	ELEV ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX



(NOT TO SCALE)
Elevations and distances are in feet

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 area 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 Reference runway approach physical end elevation/touchdown zone elevation
- ⁴ Latitude and longitude of reference runway approach physical end
- ⁵ Reference runway geodetic azimuth reckoned clockwise from south
- ⁶ Reference runway displaced threshold elevation/touchdown zone elevation
- ⁷ Latitude and longitude of reference runway displaced threshold
- ⁸ Accuracy Code:
- | | Horizontal | Vertical |
|---|------------|----------|
| 1 | = 20 | A = 2 |
| 2 | = 40 | B = 5 |
| | | C = 20 |
- ⁹ Mean Sea Level (MSL) elevation 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). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ± 10 feet.
- ¹¹ HAA - Height above airport
 HAR - Height above reference runway approach physical end
 HAT - Height above reference runway touchdown zone elevation
- ¹² DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
 DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway 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 object is in primary area on roll-out side of zero distance point.
- ¹³ PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC6239

AIRPORT ELEVATION 5315

13 PIR 5315/ 433044.394N 1141810.381W 3244655 5306/5306 433032.284N 1141758.636W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE	432952.37	1141714.37	1A	5290		-25	-16	-25	-6684	-5183	335L	23
OL ON LIGHTED WINDSOCK	432952.16	1141723.58	1A	5281		-34	-25	-34	-6310	-4809	231R	12
POLE	432957.54	1141719.43	1A	5295		-20	-11	-20	-6042	-4541	332L	23
ELECTRICAL BOX	433000.94	1141723.41	1A	5283		-32	-23	-32	-5591	-4090	291L	8
OL ON DME (MLSAZ)	433001.90	1141733.57	1A	5295		-20	-11	-20	-5080	-3579	265R	16
LIGHT ON BUILDING	433008.98	1141743.39	1A	5296		-19	-10	-19	-4077	-2576	443R	8
POLE	433018.42	1141739.65	1A	5315		0	9	0	-3454	-1953	334L	22
OL ON WINDSOCK	433017.40	1141750.18	1A	5319		4	13	4	-3092	-1591	360R	23
VENT ON BUILDING	433021.98	1141743.24	1A	5311		-4	5	-4	-3008	-1507	325L	15
CEILOMETER ON FENCE	433023.15	1141744.93	1A	5305		-10	-1	-10	-2839	-1338	292L	7
OL ON HANGAR	433018.88	1141754.16	1A	5338		23	32	23	-2800	-1299	513R	40
ANTENNA AND APBN ON BLDG	433020.99	1141755.89	1A	5336		21	30	21	-2552	-1051	494R	36
ANTENNA ON BUILDING	433023.54	1141758.38	1A	5338		23	32	23	-2235	-734	495R	36
ANTENNA ON OL ATCT	433028.22	1141749.72	1A	5343		28	37	28	-2216	-715	300L	41
WINDSOCK ON BUILDING	433028.57	1141801.09	1A	5345		30	39	30	-1704	-203	365R	40
OL ON MONITOR POLE	433032.76	1141753.71	1A	5344		29	38	29	-1671	-170	325L	39
HANGAR	433030.37	1141802.07	1A	5328		13	22	13	-1514	-13	319R	22
OL ON HANGAR	433032.74	1141805.60	1A	5345		30	39	30	-1167	334	393R	37
WINDVANE ON OL HANGAR	433039.28	1141801.62	1A	5340		25	34	25	-795	705	228L	30
OL ON POLE	433040.25	1141800.87	1A	5346		31	40	31	-747	754	331L	35
ANTENNA ON OL HANGAR	433042.34	1141804.55	1A	5352		37	46	37	-418	1083	231L	39
WINDSOCK ON OL HANGAR	433042.98	1141805.36	1A	5345		30	39	30	-331	1170	219L	32
POLE	433045.53	1141806.30	1A	5351		36	45	36	-80	1421	312L	36
POLE	433047.38	1141807.34	1A	5346		31	40	31	118	1618	357L	31
OL ON FUEL PUMP	433044.73	1141814.18	1A	5334		19	28	19	189	1690	209R	19
BUILDING	433045.05	1141816.16	1A	5333		18	27	18	299	1800	310R	16
TREE	433046.08	1141816.68	1A	5338		23	32	23	408	1908	281R	19
LIGHT STANDARD	433048.85	1141812.20	1A	5346		31	40	31	446	1947	150L	26
POLE	433052.05	1141808.44	1A	5374		59	68	59	551	2052	564L	52
SIGN	433047.84	1141816.79	1A	5337		22	31	22	558	2059	185R	15
FLAGPOLE ON BUILDING	433051.21	1141813.38	1A	5353		38	47	38	691	2192	218L	28
FLAGPOLE	433047.86	1141822.06	1A	5358		43	52	43	783	2284	500R	31
TREE	433052.78	1141814.73	1A	5358		43	52	43	878	2379	228L	29

AIRPORT ELEVATION 5315

13 PIR 5315/ 433044.394N 1141810.381W 3244655 5306/5306 433032.284N 1141758.636W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	433050.68	1141821.05	1A	5375		60	69	60	974	2475	275R	45
FLOODLIGHT ON POLE	433049.58	1141823.79	1A	5362		47	56	47	999	2500	504R	31
FLAGPOLE	433053.31	1141817.84	1A	5353		38	47	38	1054	2555	72L	21
POLE	433057.27	1141812.39	1A	5387		72	81	72	1150	2651	631L	53
FLOODLIGHT ON POLE	433052.74	1141828.78	1A	5358		43	52	43	1472	2973	620R	18
TREE	433057.02	1141821.74	1A	5401		86	95	86	1527	3028	54L	59
POLE	433102.51	1141816.21	1A	5389		74	83	74	1746	3247	707L	43
TREE	433101.30	1141822.90	1A	5383		68	77	68	1930	3431	233L	33
TREE	433057.98	1141829.45	1A	5392		77	86	77	1934	3435	355R	42
TREE	433103.43	1141827.28	1A	5404		89	98	89	2293	3794	94L	47
TREE	433106.43	1141822.41	1A	5388		73	82	73	2333	3834	563L	30
POLE	433107.67	1141820.32	1A	5399		84	93	84	2348	3849	761L	41
TREE	433104.89	1141835.30	1A	5407		92	101	92	2755	4255	304R	41
POLE	433112.79	1141824.19	1A	5397		82	91	82	2936	4437	827L	27
TREE	433111.11	1141828.54	1A	5410		95	104	95	2981	4482	466L	39
TREE	433113.55	1141829.09	1A	5402		87	96	87	3207	4708	576L	27
TREE	433109.60	1141843.37	1A	5399		84	93	84	3487	4987	514R	18
TREE	433113.73	1141836.19	1A	5411		96	105	96	3523	5024	160L	30
POLE	433117.92	1141828.14	1A	5401		86	95	86	3528	5029	889L	19
TREE	433117.98	1141832.24	1A	5417		102	111	102	3707	5208	646L	32
TREE	433116.33	1141839.80	1A	5402		87	96	87	3892	5393	94L	13
POLE	433122.50	1141831.61	1A	5414		99	108	99	4054	5555	947L	22
TREE	433116.33	1141845.79	1A	5405		90	99	90	4147	5648	266R	11
POLE	433125.32	1141833.93	1A	5413		98	107	98	4386	5887	972L	14
TREE	433124.05	1141840.90	1A	5409		94	103	94	4577	6078	478L	6
TREE	433126.66	1141847.73	1A	5417		102	111	102	5083	6584	220L	4
ROCK	433159.64	1141957.45	1A	5664		349	358	349	10774	12275	2049R	135
OBSTRCTN BALL ON TM LINE	433217.14	1142010.10	1A	5739		424	433	424	12759	14260	1788R	160
ROCK	433239.19	1142040.86	1A	6337		1022	1031	1022	15890	17391	2350R	680
BUSH	433305.39	1142103.42	1A	6366		1051	1060	1051	19016	20517	2176R	631
BUSH	433438.26	1142201.70	2C	6947		1632	1641	1632	29171	30672	252R	958
GROUND	433456.10	1142307.80	2C	7315		2000	2009	2000	33455	34956	3182R	1219
GROUND	433608.30	1142300.50	2C	7422		2107	2116	2107	39113	40614	1479L	1184

OC6239 File Continued from Previous Page

AIRPORT ELEVATION 5315

13 PIR 5315/ 433044.394N 1141810.381W 3244655 5306/5306 433032.284N 1141758.636W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	433808.60	1142322.30	2C	7780		2465	2474	2465	49983	51484	7204L	1270
GROUND	433730.90	1142436.70	2C	7650		2335	2344	2335	50028	51529	532L	1139

OC6239

AIRPORT ELEVATION 5315

31 SUPLC 5267/5293 432951.135N 1141718.742W 1444730

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON FUEL PUMP	433044.73	1141814.18	1A	5334		67	41	19	-6790		209L	19
POLE	433047.38	1141807.34	1A	5346		79	53	31	-6718		357R	31
POLE	433045.53	1141806.30	1A	5351		84	58	36	-6521		312R	36
WINDSOCK ON OL HANGAR	433042.98	1141805.36	1A	5345		78	52	30	-6270		219R	32
ANTENNA ON OL HANGAR	433042.34	1141804.55	1A	5352		85	59	37	-6183		231R	39
OL ON POLE	433040.25	1141800.87	1A	5346		79	53	31	-5853		331R	35
WINDVANE ON OL HANGAR	433039.28	1141801.62	1A	5340		73	47	25	-5805		228R	30
OL ON HANGAR	433032.74	1141805.60	1A	5345		78	52	30	-5434		393L	37
HANGAR	433030.37	1141802.07	1A	5328		61	35	13	-5087		319L	22
OL ON MONITOR POLE	433032.76	1141753.71	1A	5344		77	51	29	-4929		325R	39
WINDSOCK ON BUILDING	433028.57	1141801.09	1A	5345		78	52	30	-4896		365L	40
ANTENNA ON OL ATCT	433028.22	1141749.72	1A	5343		76	50	28	-4385		300R	41
ANTENNA ON BUILDING	433023.54	1141758.38	1A	5338		71	45	23	-4365		495L	36
ANTENNA AND APBN ON BLDG	433020.99	1141755.89	1A	5336		69	43	21	-4049		494L	36
OL ON HANGAR	433018.88	1141754.16	1A	5338		71	45	23	-3800		513L	40
CEILOMETER ON FENCE	433023.15	1141744.93	1A	5305		38	12	-10	-3762		292R	7
VENT ON BUILDING	433021.98	1141743.24	1A	5311		44	18	-4	-3592		325R	15
OL ON WINDSOCK	433017.40	1141750.18	1A	5319		52	26	4	-3509		360L	23
POLE	433018.42	1141739.65	1A	5315		48	22	0	-3146		334R	22
LIGHT ON BUILDING	433008.98	1141743.39	1A	5296		29	3	-19	-2524		443L	8
OL ON DME (MLSAZ)	433001.90	1141733.57	1A	5295		28	2	-20	-1521		265L	16
ELECTRICAL BOX	433000.94	1141723.41	1A	5283		16	-10	-32	-1010		291R	8
POLE	432957.54	1141719.43	1A	5295		28	2	-20	-559		332R	23
OL ON LIGHTED WINDSOCK	432952.16	1141723.58	1A	5281		14	-12	-34	-290		231L	12
POLE	432952.37	1141714.37	1A	5290		23	-3	-25	83		335R	23
POLE	432951.09	1141712.71	1A	5289		22	-4	-26	260		360R	20
POLE	432949.66	1141711.84	1A	5288		21	-5	-27	416		330R	15
TREE	432944.85	1141719.39	1A	5311		44	18	-4	493		406L	35
POLE	432948.78	1141707.30	1A	5308		41	15	-7	681		552R	27
TREE	432931.99	1141710.05	1A	5345		78	52	30	1953		594L	26
TREE	432930.25	1141707.13	1A	5340		73	47	25	2222		520L	14
TREE	432927.60	1141659.62	1A	5337		70	44	22	2760		222L	-5

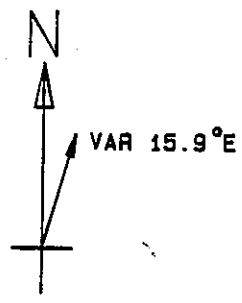
OC6239

AIRPORT ELEVATION 5315

ARP 433017.765N 1141744.558W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
POLE	433023.21	1141740.36	1A	5335		20	13 23	632
ANTENNA	433005.61	1141743.08	1A	5321		6	159 2	1236
TREE	433031.20	1141747.64	1A	5351		36	334 38	1379
TREE	433033.81	1141749.28	1A	5364		49	332 0	1661
POLE	432957.09	1141715.09	1A	5317		2	118 2	3016
POLE	433047.23	1141803.95	1A	5358		43	318 30	3308
TREE	433055.20	1141810.18	1A	5387		72	317 38	4235
GROUND	433024.13	1141647.73	1B	6052		737	65 21	4238
TREE	433058.92	1141812.30	1A	5369		54	317 58	4641
TREE	432933.28	1141713.25	1A	5335		20	136 58	5061
ROCK	433005.82	1141851.84	1B	6177		862	240 24	5104
GROUND	432924.72	1141829.17	1B	6457		1142	195 35	6298
GROUND	433003.69	1141620.46	1B	6288		973	87 2	6360
ANTENNA	433012.88	1141915.42	1B	6792		1477	249 53	6715
GROUND	433144.20	1141744.88	1B	6112		797	343 57	8751
BUSH	432928.01	1141522.13	1B	6403		1088	99 43	11645
ROCK	432829.75	1141854.67	2C	6947		1632	189 24	12096
ANTENNA	432927.39	1141508.59	1B	6885		1570	98 1	12578
BUSH	433223.22	1141803.16	1B	6603		1288	337 57	12776
POST	433133.34	1142005.11	1B	6713		1398	290 34	12877
ROCK	433223.10	1141711.43	2C	6852		1537	354 59	12923
ROCK	433048.53	1141445.36	2C	8126		2811	60 49	13569
BUSH	432913.09	1141501.86	2C	6831		1516	102 43	13664
GROUND	433229.77	1141606.66	2C	5885		570	12 27	15188
GROUND	432745.65	1141656.52	2C	6019		704	151 9	15804
TRANSMISSION TOWER	433205.46	1142025.26	2C	6515		1200	296 45	16097
TRANSMISSION TOWER	433206.66	1142024.22	2C	6487		1172	297 16	16123
BUSH	433211.95	1142114.50	2C	6876		1561	290 54	19312
GROUND	433242.04	1142129.80	2C	6444		1129	295 29	22109
BUSH	433304.39	1142246.53	2C	6757		1442	291 18	27921
BUSH	433323.33	1142249.79	2C	6643		1328	294 1	29303
TREE	433426.83	1142423.12	2C	7408		2093	294 48	38702

ARPT ELEV. 5315 FT.



EL. 5306
← DSPLC THR 1501 FT.

⊕ ARP (1991)

6602' X 100 PAVED

EL. 5267

TOUCHDOWN ZONE RUNWAY ELEVATION	
13	5306
31	5293

FRIEDMAN MEMORIAL AIRPORT
HAILEY, IDAHO
(NOT TO SCALE)