Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 04/20/2012	Task #: 2011061422491757001	Request #: 20110614224917
Procedure: RNAV (GPS) RWY 13 ORIG		Airport ID: KOGA	Airport: SEARLE FIELD		Reimbursable #:
City: OGALLALA	**ST:** NE	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID: OGA	**Fac. Type:** PROC-W	Specialist: KISSY MAXFIELD			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/17/2012	08/25/2012	STEVEN SZUKALA	
QA:	08/25/2012	08/25/2012	STEVEN SZUKALA	
Liaison:	08/25/2012		Spurlin	P1

P1

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

Pkg. 135

OGALLALA, NE SEARLE FLD (OGA) RNAV (GPS) RWY 13, ORIG (LP) ENROUTE-YES FC: 11.13.12 PUB: 1.10.13

FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): AYAYO, NE-ORIG; KUYEL, NE-ORIG; WUVIR, NE-ORIG; ZASDA, NE-ORIG.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014/405.954.9307.

RNAV (GPS) RWY 13

OGALLALA/SEARLE FIELD (OGA)

WAAS	APP CRS	Rwy Idg	3700
CH 93531	137°	THRE	3279
W13A		Apt Elev	3279

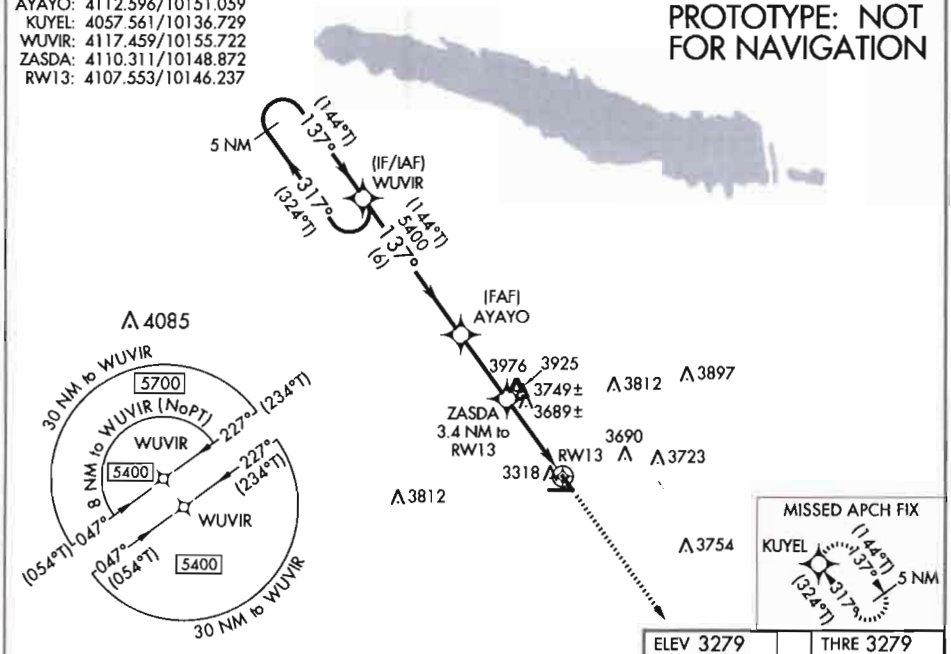
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Imperial altimeter setting and increase all MDA 100 feet, increase LP, LNAV and Circling Cat B visibility to 1¼. VDP NA with Imperial altimeter setting. When Rwy 13 VGSI inop, Straight-in and Circling Rwy 13 NA at night.

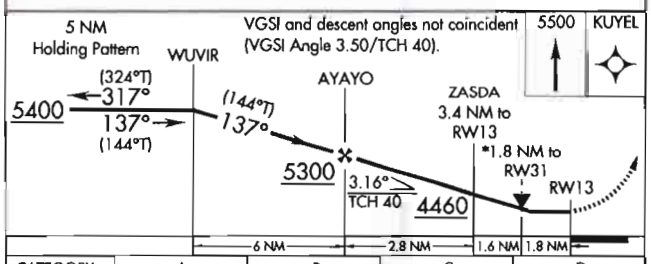
MISSED APPROACH: Climb to 5500 direct KUYEL and hold.

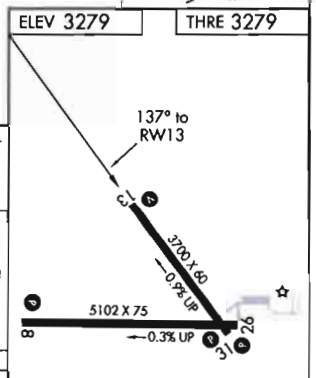
AWOS-3	DENVER CENTER	UNICOM
121.275	132.7 397.85	122.8 (CTAF)

AYAYO: 4112.596/10151.059
KUYEL: 4057.561/10136.729
WUVIR: 4117.459/10155.722
ZASDA: 4110.311/10148.872
RW13: 4107.553/10146.237

PROTOTYPE: NOT FOR NAVIGATION



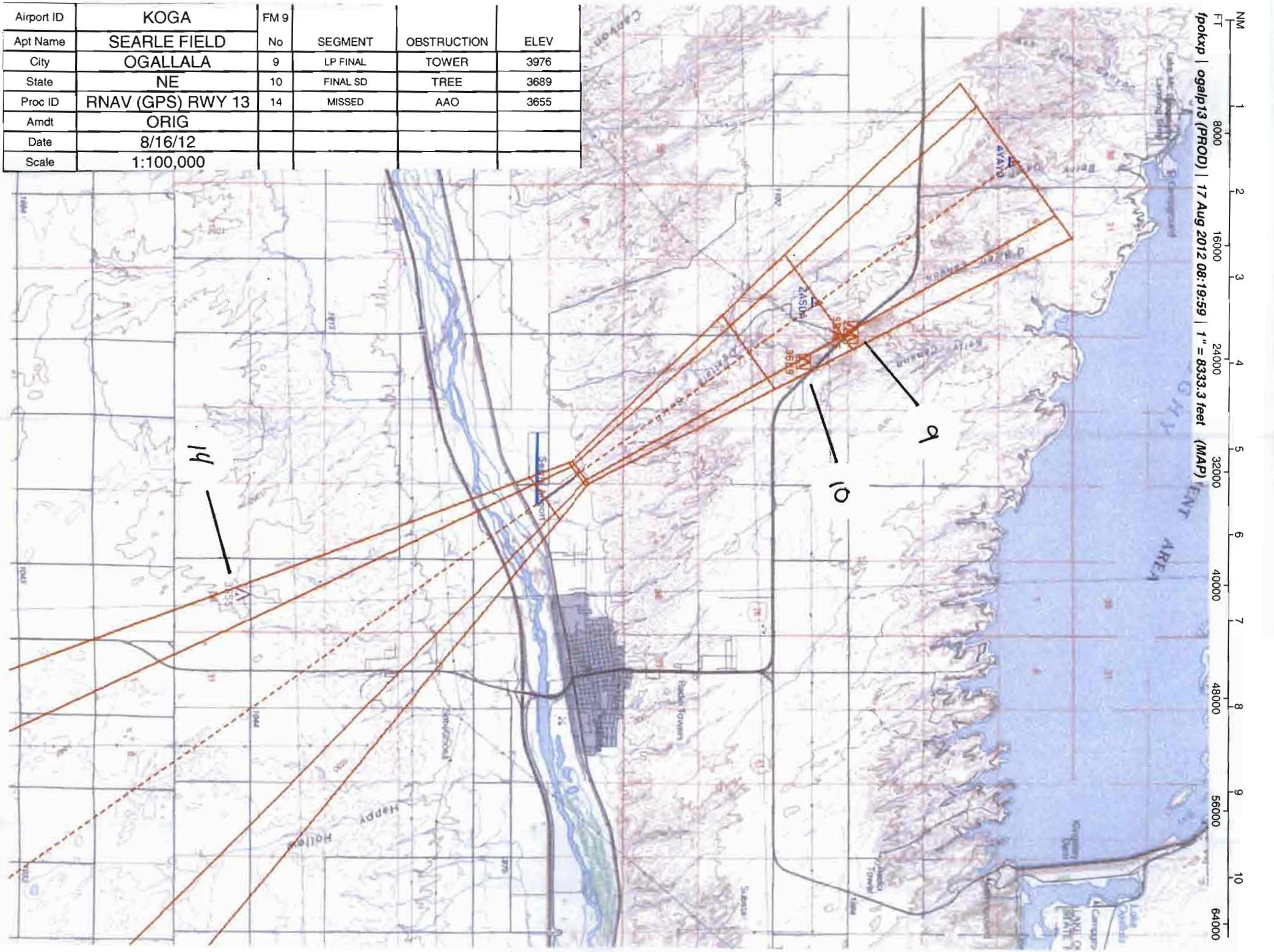




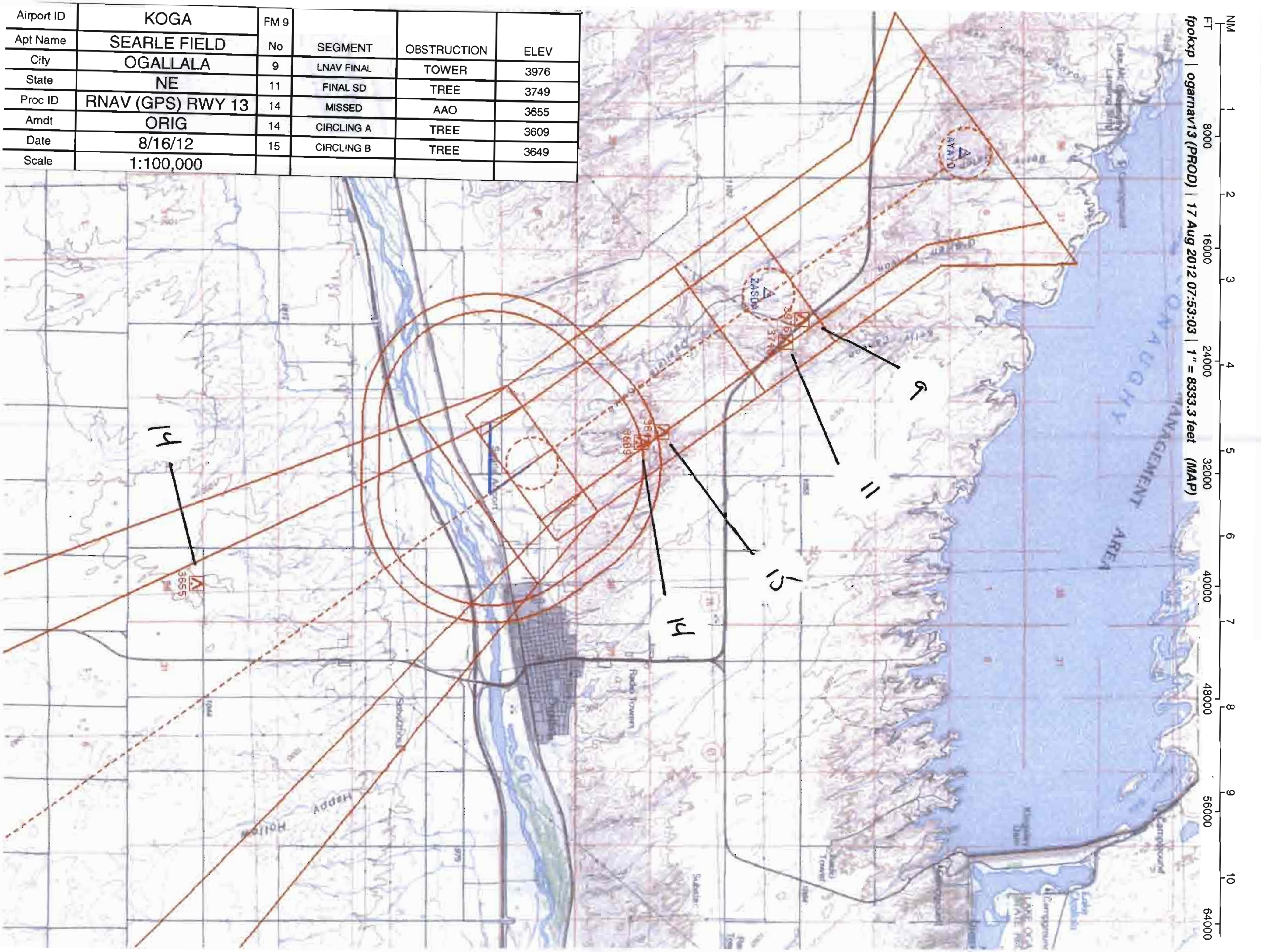
CATEGORY	A	B	C	D
LP MDA	3940-1 661 (700-1)		NA	
LNAV MDA	4000-1 721 (800-1)		NA	
CIRCLING	4000-1 721 (800-1)		NA	

MIRL Rwys 8-26 and 13-31

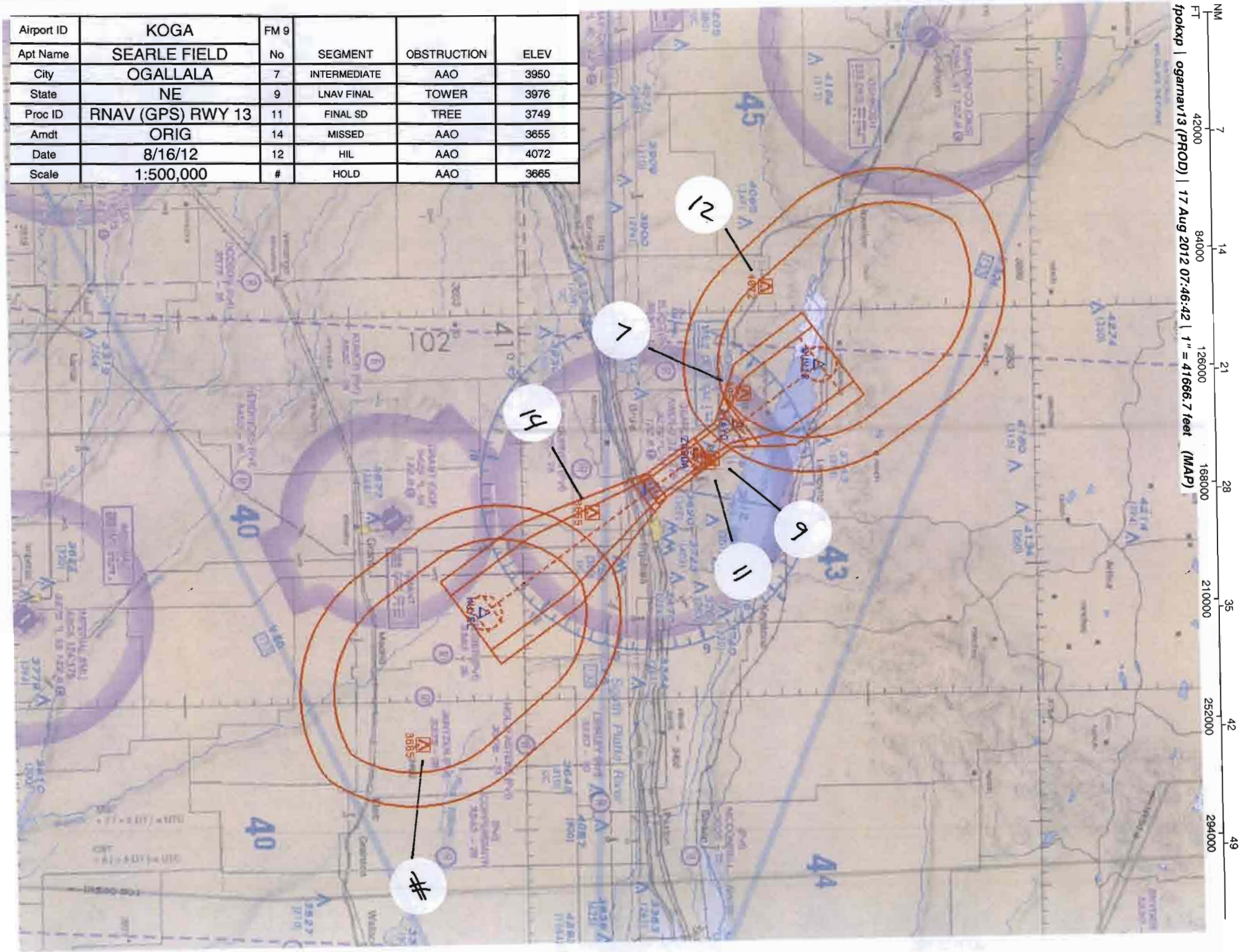
Airport ID	KOGA	FM 9			
Apt Name	SEARLE FIELD	No	SEGMENT	OBSTRUCTION	ELEV
City	OGALLALA	9	LP FINAL	TOWER	3976
State	NE	10	FINAL SD	TREE	3689
Proc ID	RNAV (GPS) RWY 13	14	MISSED	AAO	3655
Amdt	ORIG				
Date	8/16/12				
Scale	1:100,000				

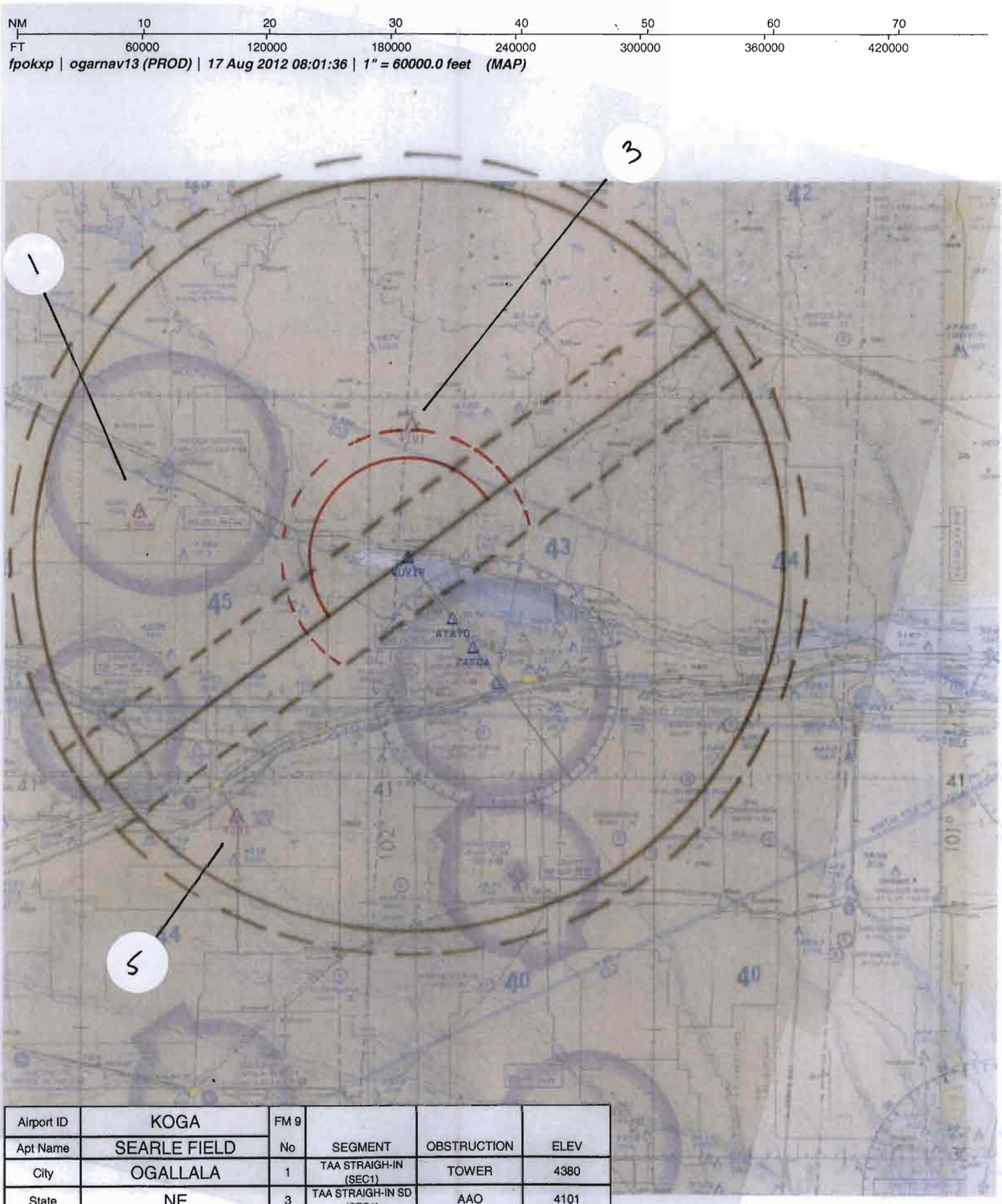


Airport ID	KOGA	FM 9			
Apt Name	SEARLE FIELD	No	SEGMENT	OBSTRUCTION	ELEV
City	OGALLALA	9	LNAV FINAL	TOWER	3976
State	NE	11	FINAL SD	TREE	3749
Proc ID	RNAV (GPS) RWY 13	14	MISSED	AAO	3655
Amdt	ORIG	14	CIRCLING A	TREE	3609
Date	8/16/12	15	CIRCLING B	TREE	3649
Scale	1:100,000				



Airport ID	KOGA	FM 9			
Apt Name	SEARLE FIELD	No	SEGMENT	OBSTRUCTION	ELEV
City	OGALLALA	7	INTERMEDIATE	AAO	3950
State	NE	9	LNAV FINAL	TOWER	3976
Proc ID	RNAV (GPS) RWY 13	11	FINAL SD	TREE	3749
Amdt	ORIG	14	MISSED	AAO	3655
Date	8/16/12	12	HIL	AAO	4072
Scale	1:500,000	#	HOLD	AAO	3665





Airport ID	KOGA	FM 9			
Apt Name	SEARLE FIELD	No	SEGMENT	OBSTRUCTION	ELEV
City	OGALLALA	1	TAA STRAIGH-IN (SEC1)	TOWER	4380
State	NE	3	TAA STRAIGH-IN SD (SEC1)	AAO	4101
Proc ID	RNAV (GPS) RWY 13	5	TAA STRAIGH-IN (SEC2)	TOWER	4283
Amdt	ORIG				
Date	8/16/12				
Scale	1:60000				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WUVIR (IF/IAF)	AYAYO (NOPT) (FB)	137.08 / 6.00	5300
AYAYO (FAF)	ZASDA/3.40 NM TO RW13 (FB)	137.13 / 2.82	
ZASDA/3.40 NM TO RW13	RW13 (MAP) (FO)	137.15 / 3.40	
RW13 (MAP)	3679 MSL	137.15	
3679 MSL	KUYEL (FO)		5500

MISSED APPROACH

LP: RW13
LNAV: RW13

CLIMB TO 5500 DIRECT KUYEL AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW WUVIR, RT, 137.08 INBOUND, 5400 FT. IN LIEU OF PT (IAF)
3. FAC: 137.13 FAF: AYAYO DIST FAF TO MAP: 6.22 THLD: 6.22
4. MIN. ALT: WUVIR 5400, AYAYO 5300, ZASDA/3.40 NM TO RW13 4460
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 317.28 INBOUND.
CHART FAS OBST: 3749 TREE 411026N/1014808W
CHART FAS OBST: 3689 TREE 411004N/1014758W
CHART: 3976 TOWER 411037N/1014828W
CHART: 3925 TOWER 411037N/1014821W
CHART VDP AT 1.83 MILES TO RW13*
WAAS CHANNEL # 93531
REFERENCE PATH ID: W13A
ZASDA TO RW13: 3.16/40.1.
LTP HAE: 978.7 M

MAG VAR: 7E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	3940	1	661	3940	1	661		NA			NA				
LNAV MDA	4000	1	721	4000	1	721		NA			NA				
CIRCLING	4000	1	721	4000	1	721		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IMPERIAL ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3279 THRE: 3279	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OGALLALA, NE	AIRPORT NAME: SEARLE FIELD	RNAV	RNAV (GPS) RWY 13, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[X] YES [ ] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X] **ZDV ARTCC, AMGR**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
JILL OLSON (KISSY MAXFIELD)	**AJV-353**	**08/13/2012**

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	**MANAGER**	**AJV-353**	

CHANGES:

1. ORIGINAL.

REASONS:

1. PER FPT REQUEST.

PDF EDITS:
1. MISSED APPROACH ALTITUDE CHANGED FROM 3680 TO 5500.
2. REMOVED * AND *LNAV ONLY FROM ADDITIONAL FLIGHT DATA.
3. ADDED FAF TO AYAYO IN TERMINAL ROUTES.
4. REMOVED GS ANGLE AND TCH FROM LINE 7.
5. REMOVED ADDITIONAL RW13 FROM TERMINAL ROUTES.

QUALITY 4 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
ALL MDA 100 FEET, INCREASE LP, LNAV AND CIRCLING CAT B VISIBILITY TO 1 1/4.
CHART NOTE: VDP NA WITH IMPERIAL ALTIMETER SETTING.
CHART NOTE: WHEN RWY 13 VGSI INOPERATIVE, STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	047/30 CW 227/30	047/8 CW 227/8	5700
2.	047/8 CW 227/8 (NOPT)	WUVIR (IF/IAF) (FB)	5400
3.	227/30 CW 047/30	WUVIR (IF/IAF) (FO)	5400

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 3279 THRE: 3279	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OGALLALA, NE	AIRPORT NAME: SEARLE FIELD	RNAV	RNAV (GPS) RWY 13, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOGA
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	410733.1810N
LTP/FTP LONGITUDE	1014614.2060W
LTP/FTP ELLIPSOIDAL HEIGHT	+09787
FPAP LATITUDE	410620.8900N
FPAP LONGITUDE	1014505.2300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.16
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	4E3799E9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+09996
FPAP ORTHOMETRIC HEIGHT	+09996

QUALITY CHECKED

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:

APPROVED BY

NAME:	FIFO	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AYAYO K30    W     N41123577W101510351                    E0070     NAR           AYAYO
        SUSAEAENRT   KUYEL K30    W     N40573368W101364371                    E0069     NAR           KUYEL
        SUSAEAENRT   WUVIR K30    W     N41172756W101554334                    E0071     NAR           WUVIR
        SUSAEAENRT   ZASDA K30    W     N41101866W101485230                    E0070     NAR           ZASDA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOGAK3AOGA     0     051YHN41071010W101461090E007003279         1800018000C    MNAR    SEARLE FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOGAK3FR13   AWUVIR 010WUVIRK3EA0EE AR   HF                    13710050    + 05400     18000                A JS
        SUSAP KOGAK3FR13   R      010WUVIRK3EA0E  I    IF                                + 05400     18000                A JS
        SUSAP KOGAK3FR13   R      020AYAYOK3EA1E  F 051TF                    13710060    + 05300                          A JS
        SUSAP KOGAK3FR13   R      020AYAYOK3EA2WALP        N          ALNAV                                                JS
        SUSAP KOGAK3FR13   R      021ZASDAK3EA0E S  031TF                    13710028    + 04460                          A JS
        SUSAP KOGAK3FR13   R      030RW13 K3PG0GY M 031TF                    13720034      03320           -316           A JS
        SUSAP KOGAK3FR13   R      040         0  M     CA                    1372        + 03679                          A JS
        SUSAP KOGAK3FR13   R      050KUYELK3EA0EY       DF                              + 05500                          A JS
        SUSAP KOGAK3FR13   R      060KUYELK3EA0EE  R    HM                    31730050    + 05500                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOGAK3GRW13    0037001372 N41073318W101461421-0900    +09787032790000400 60R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOGAK3PR13   RW13 001 0000W13A0N4107331810W10146142060+097870316N4106208900W10145052300106751624000401F4000004E3799E9
        SUSAP KOGAK3PR13   RW13 002E      +09996+09996LP        93531
```

CITY AND STATE	ELEVATION: 3279 THRE: 3279	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OGALLALA, NE	AIRPORT NAME: **SEARLE FIELD**	**RNAV**	**RNAV (GPS) RWY 13, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WUVIR	WUVIR	010	IAF	HF	R	FO		137.1(144.1T)	005.0	AA 05400	
		WUVIR	010	FACF	IF		FB				AA 05400	
		AYAYO	020	FAF	TF		FB	0.5	137.1(144.1T)	006.0	AA 05300	
		ZASDA	021	SDF	TF		FB	0.3	137.1(144.1T)	002.8	AA 04460	
		RW13	030	MAP	TF		FO	0.3	137.2(144.2T)	003.4	AT 03320	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		137.2(144.2T)		AA 03679	
	KUYEL	050		DF		FO				AA 05500	
	KUYEL	060		HM	R	FO		317.3(324.3T)	005.0	AA 05500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AYAYO	N411235.77	W1015103.51	N4112.596	W10151.059
	KUYEL	N405733.68	W1013643.71	N4057.561	W10136.729
	WUVIR	N411727.56	W1015543.34	N4117.459	W10155.722
	ZASDA	N411018.66	W1014852.30	N4110.311	W10148.872
	RW13	N410733.18	W1014614.21	N4107.553	W10146.237

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	03279	40

CITY AND STATE	ELEVATION: 3279 THRE: 3279	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OGALLALA, NE	AIRPORT NAME: **SEARLE FIELD**	**RNAV**	**RNAV (GPS) RWY 13, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
STRAIGHT-IN AREA	047/30 CW 227/30	047/8 CW 227/8	1. TOWER (31-000766)	412025.00N/1022359.00W	4380 (5E)	1000		5400
			2. TERRAIN	414612.00N/1020542.00W	4167 (4200)		AS1500	5700
STRAIGHT-IN AREA	047/8 CW 227/8	WUVIR	3. AAO	412721.00N/1015518.00W	4101 (4E)	1000		5200
			4. TERRAIN	412721.00N/1015518.00W	3901 (3900)		AS1500	5400
STRAIGHT-IN AREA	227/30 CW 047/30	WUVIR	5. TOWER (08-000174)	405618.00N/1021339.00W	4283 (5D)	1000		5300
			6. TERRAIN	410136.00N/1023145.00W	3928 (3900)		AS1500	5400
INTERMEDIATE	WUVIR (IF/IAF)	AYAYO	7. AAO	411233.00N/1015333.00W	3950 (4E)	500	AC98	4600
			8. TERRAIN	411239.00N/1015324.00W	3750 (3800)		AS1500	5300
FINAL: LP	AYAYO	ZASDA/3.40 NM TO RW13	9. TOWER (31-000683)	411037.00N/1014828.00W	3976 (5E)	250	RA86 DG12 XL11 AC125	4460
FINAL: LP STEPDOWN	ZASDA/3.40 NM TO RW13	RW13	10. TREE	411004.05N/1014758.04W	3689 (2C)	250		3940
FINAL: LNAV	AYAYO	ZASDA/3.40 NM TO RW13	9. TOWER (31-000683)	411037.00N/1014828.00W	3976 (5E)	250	RA86 AC125 DG12 XL11	4460
2. HOLD-IN-LIEU-OF-PT	WUVIR	P-6	12. AAO	411400.00N/1020148.00W	4072 (4E)	1000		5100
			13. TERRAIN	411400.00N/1020151.00W	3872 (3900)		AS1500	5400
3. MISSED APPROACH MAP:	RW13 / RW13	KUYEL				ASC		5500
			14. AAO	410333.00N/1014421.00W	3655 (4E)	1000		4700
ELEV:	3840/3900		15. TERRAIN	410333.00N/1014421.00W	3455 (3500)		AS1500	5000
			16. TREE	410845.00N/1014634.00W	3609 (2C)	300	SI	4000
			17. TREE	410859.00N/1014644.00W	3649 (2C)	300	SI	4000

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.		
		REQUIRED	ACTUAL	
CATEGORY A	1.3 NM	350	721	
CATEGORY B	1.5 NM	450	721	
CATEGORY C	1.7 NM	450		
CATEGORY D	2.3 NM	550		
CATEGORY E	4.5 NM	550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OGALLALA, NE	ELEVATION: 3279 AIRPORT NAME: SEARLE FIELD	RNAV	RNAV (GPS) RWY 13, ORIG	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZDV ARTCC OLU FSS	N W S	OTHER: AWOS-3	SOURCE: KOGA / KIML
	F A A		DISTANCE: 0 / 37.16
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION: 24
X V H F X U H F H F	LOCATION:		ADJUSTMENT: 0 / 86

4. MONITOR STATUS	PRIMARY NAVAID:		
	MONITOR POINT:		
	HRS OPTN:	CAT 1	
		CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
	MALS
	HIRL
X	MIRL 31 (PCL), 13 (PCL), 08 (PCL), 26 (PCL)
	REIL
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-2L 31 (PCL), 08 (PCL), 26 (PCL) VASI-4L 13 (PCL)

6. RUNWAY MARKINGS	BASIC		
	ALL WEATHER		
	INSTRUMENT	NPI-G 31, 13, 08, 26	
7. RUNWAY VISUAL RANGE	APPROACH		
	MIDFIELD		
	ROLL OUT		
8. GLIDE PATH	GP ANGLE:		ELEV RWY THRESHOLD: 3279.4
	DISTANCE FROM RWY:		ELEV GP ANTENNA:
			THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY:	DATE:
JILL OLSON (KISSY MAXFIELD)	08/13/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 3976 TOWER
411037N/1014828W
TERPS PARAGRAPH 289 APPLIED TO 3925 TOWER
411037N/1014821W

SEE ATTACHED AIRSPACE LETTER.

UNABLE TO VERIFY RWY 13 VISUAL SURFACES ARE CLEAR DUE TO LACK OF SURVEY.

CAT C/D MINS NOT DEVELOPED PER CENTRAL FPT.

VEGETATION HEIGHT WITHIN 5 NM: 70 FT PER CENTRAL FPT.

VGSI DATA: 3.50/40.1

KOGA AWOS ON SERVICE A.
KIML ASOS ON SERVICE A.

RASS PRESSURE PATTERNS SAME
KOGA 3279.4, KIML 3276
RA = 85.94 FT

TAA DEVELOPED PER ATC REQUEST
LPV AND LNAV/VNAV NOT DEVELOPED DUE TO LACK OF SURVEY.

TERPS 289 APPLIED TO 3976 TOWER 411037N/1014828W.

LESS THAN 1 MILE VISIBILITY NOT USED PER ADO/FPT.

QUALITY 4 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV STEPDOWN	ZASDA/3.40 NM TO	RW13	11. TREE	411025.81N/1014807.62W	3749 (2C)	250		4000
	RW13							

3. MISSED APPROACH	
MAP:	
ELEV:	

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.		
			REQUIRED	ACTUAL
CATEGORY A	1.3 NM	350		
CATEGORY B	1.5 NM	450		
CATEGORY C	1.7 NM	450		
CATEGORY D	2.3 NM	550		
CATEGORY E	4.5 NM	550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	MSA
									4

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OGALLALA, NE	ELEVATION: 3279 AIRPORT NAME: SEARLE FIELD	RNAV	RNAV (GPS) RWY 13, ORIG	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS OTHER:	SOURCE:
	☐ FAA	DISTANCE:
	☐ A/C	HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		
	☐	ALS
	☐	(S) SALS
	☐	MALS
	☐	HIRL
	☐	MIRL
	☐	REIL
	☐	TDZ
	☐	C/LINE
	☐	OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
	☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: AYAYO **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 411235.77N/1015103.51W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

REMARKS:
PFAF CALCULATED IAW 8260.54A FORMULA 2-16B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13			KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/07/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KUYEL **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 405733.68N/1013643.71W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE		WP	137.28	317.28	R		5	5500	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	405323.50N/1012631.90W	3665	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KOGA	OGALLALA	NE (US)
IAP	RNAV (GPS) RWY 31		1	KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/07/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WUVIR **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 411727.56N/1015543.34W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW		WP	317.08	137.08	R		5	5400	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	411400.00N/1020151.00W	4072	2E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RANV (GPS) RWY 31		1	KOGA	OGALLALA	NE (US)
IAP	RNAV (GPS) RWY 13		1	KOGA	OGALLALA	NE (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/07/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZASDA **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 411018.66N/1014852.30W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY13			KOGA	OGALLALA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/07/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

Federal Aviation Administration

Memorandum

Date: AUG 10 2012

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: ORIGINAL SIGNED BY Larry Strout, Manager, Central Products Team, AJV-353

Subject: **ACTION:** Magnetic Variation Change for Searle Field, Ogallala, NE (KOGA)

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

RNAV (GPS) RWY 8, AMDT 2
RNAV (GPS) RWY 13, ORIG
RNAV (GPS) RWY 31, ORIG
RNAV (GPS) RWY 26, AMDT 2
TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 5

Estimated Chart Date: 01/10/2013

Runway Numbers are not affected.

Please publish these changes in the National Flight Data Digest.

NEBRASKA

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
OGALLALA	Searle Field	Airport	KOGA / OGA	Old 11° EAST New 7 ° EAST	2015

If you have any questions please notify Larry H. Strout, larry.h.strout@faa.gov (405) 954-5070

CONCURRENCES

ROUTING SYMBOL	INITIALS/SIG	DATE
AJV-34 SBaker	SJB	8-9-12
AJV-353 JOlson		
AJV-353 LStrout	LS	8/9/12
AJV-341 JAlfonso		

cc: AJV-3rf
sjb:x7537:DATE: 08/09/2012 (U:\AVN100\PIT\MAGVAR\MAGVAR\MAGVAR Letters 2012\MV Change Request for Searle (SAE) VOR/DME, Ogallala, NE 8-9-12; Requestor: JOlson, Evaluated By: LFortier

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **OGALLALA** STATE: **NE**

AIRPORT NAME: **SEARLE FIELD** ID: **KOGA**

PROCEDURE: **RNAV (GPS) RWY 13** AMDT: **ORIG**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **4.22**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **144.13**
4. High Terrain in **FINAL** segment containing 1000' point **3701**
5. Distance from **THLD** to 1500' point **6.02**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.95**
7. True Course of **FINAL** segment containing 1500' point **144.13**
8. High Terrain in **FINAL** segment containing 1500' point **3701**
9. Threshold Coordinates (if straight-in) ... **410733.18N** / **1014614.21W**
10. ARP Coordinates ..... **410710.10N** / **1014610.90W**
11. Runway Approach End and distance furthest from ARP ..... RWY **8**
    Distance **0.53** NM
12. FAF Coordinates ..... **411235.77N** / **1015103.51W**

REMARKS: Approach/Drawing attached.