BUUK 5246 ORIGINAL

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

	OF THE	
	DEPENDENT RESURVEY OF THE SOUTH BOUNDARY	
	AND A PORTION OF THE WEST BOUNDARY,	
	TOWNSHIP 20 NORTH, RANGE 26 EAST	
Of the	Gila and Salt River	Meridian,
In the State of	Arizona	
	EXECUTED BY	
Kenneth W. Ba	ys, Cadastral Surveyor	
Under special in	structions dated <u>January 12</u> , 1987, approved <u>Febr</u>	uary 17, 1987,
	which provided for the surveys included under Gro	oup Number
686 an	d assignment instructions dated February 17	,1987
	Survey commenced February 18 , 1987	
	Survey completed May 27 , 1987	

2

INDEX DIAGRAM

TOWNSHIP 20 NORTH , RANGE 26 EAST ,

6	 	 4 	 	2 	1
7	 8 	 9 	 10 	 11 	12
1 18 	17	 16 	 15 	 14 	13
 	20	21 	22	23	24
13 30	 29 	28 	27	26 	25
11 31	32	33	34 	35	36
11	9	8	7	5	3

T 20 N, R 26 E, Gila and Salt River Mer., Arizona

CHAINS

The following field notes are those of the dependent resurvey of the south boundary and a portion of the west boundary of Township 20 North, Range 26 East, Gila and Salt River Meridian, Arizona.

The south and west boundaries were surveyed by Frank Follman in 1882.

The resurvey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 686, Arizona, dated January 12, 1987.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of lines were determined by sighting between U.S. Coast and Geodetic Survey triangulation stations "BERT 1959" and "AA1 1959," confirmed by hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with Zeiss Elta 4 and Hewlett-Packard 3820 total stations.

The geographic position of the southeast corner of section 36, as determined from a tie made to U.S. Coast and Geodetic Survey triangulation station "AAl 1959," is:

Latitude: 35°04'55.48" N Longitude: 109°31'22.56" W

The mean magnetic declination, as taken from U.S. Geological Survey quadrangle "NAVAJO SOUTH, ARIZ.," 1972 edition, is $13\frac{1}{2}$ ° E.

CHAINS

(Reestablishment of the survey executed by Frank Follman, U.S. Deputy Surveyor, in 1882.)

Beginning at the cor. of Tps. 19 and 20 N, Rs. 26 and 27 E, monumented with a rebar, $\frac{1}{2}$ in. diam., firmly set, projecting 8 ins. above the ground, with original sandstone, 18 x 11 x 9 ins., with 6 grooves on 4 sides, buried alongside.

At the cor. point

Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20N R26E | R27E S36 | S31 S 1 | S 6 T19N 1987

Deposit a magnet in a $1 \times 1 \times 2$ 5/8 in. white colored plastic case beneath the stainless steel post.

Raise a mound of stone, 3 ft. base, 2 ft. high, S of cor.

Bury original stone alongside the cor.

Set the ½ in. diam. rebar, 48 ins. long, beneath and inside the stainless steel post.

Set a steel fence post near the cor.

Cor. is located 3 lks. W of a barbed wire fence, extending N and S, and 55 lks. W of a graded road, bears N and S.

From this point, U.S. Coast and Geodetic Survey triangulation station "AAl 1959", bears N 83°48'31" W (forward bearing), 675.16 chs. dist., monumented with a stan. brass disc, 3 ins. diam., in a concrete block, 1 x 1 ft., flush with ground.

N 89°42' W, bet. secs. 1 and 36.

Over rolling land.

CHAINS		
40.06	Point for the 4 sec. cor. of secs. 1 and 36, at proportionate dist.; there is no evidence of the original cor.	
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.	
	T20N R26E 14 S36 8 1 T19N 1987	
	Deposit a magnet in a 1 x 1 x 2 $5/8$ in. white colored plastic case beneath the stainless steel post.	
	Raise a mound of stone, 3 ft. base, 2 ft. high, W of cor.	
	Set a steel fence post near the cor.	
76.04	Barbed wire fence, extends N and S.	
78.80	Track road, 15 lks. wide, bears N 28° W and S 28° E.	
80.12	Point for the cor. of secs. 1, 2, 35, and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above a concrete base, 6 x 6 ins., with brass cap mkd.	
	E 6 2 T20N R 35 36 2 1 T19N PE 6123	
,	This position is harmoniously related to existing cors. and is accepted as a faithful reestablishment of the cor. position by proportionate measurement.	
	Raise a mound of stone, 3 ft. base, around iron post to top.	
	Set a steel fence post near the cor.	

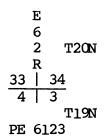
СН	AINS
	N 89°42' W, bet. secs. 2 and 35.
	Asc. over rolling terrain.
15	.00 Railroad tracks, bear S 17° E and N 17° W.
40	Point for the ½ sec. cor. of secs. 2 and 35, at proportionate dist.; there is no evidence of the original cor.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T20N R26E 1 S35 2 T19N 1987
	Deposit a magnet in a 1 x 1 x 2 $5/8$ in. white colored plastic case beneath the stainless steel post.
	Set a steel fence post near the cor.
49	Summit of ridge top, bears N 10° E and S 10° W; desc. over ridge.
58	W edge of ridge top, bears N 56° E and S 56° W, desc. NW slope.
76	Wash, 10 lks. wide, drains NE; asc. SE slope over rolling land.
80	The cor. of secs. 2, 3, 34, and 35, monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above a concrete base, 8 x 8 ins., with brass cap mkd.
	E 6 2 T20N R 34 35 3 2 T19N PE 6123

CHAINS		
	A sandstone, 11 x 4 x 3 ins., with 2 grooves on one side, 4 grooves on a second side, 5 grooves on a third side, and 6 grooves on the fourth side, was found lying loose alongside iron post.	
	This position is harmoniously related to existing cors. and is accepted as the best available evidence of the original cor. position.	
	Raise a mound of stone, 3 ft. base, around iron post to top.	
	Deposit the mkd. sandstone in the mound of stone.	
	Set a steel fence post near the cor.	
	S 88°55' W, bet. secs. 3 and 34.	
	Asc. SE slope, over rolling land.	
39.80	Point for the ½ sec. cor. of secs. 3 and 34, at proportionate dist.; there is no evidence of the original cor.	
·	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.	
	T20N R26E	
	Deposit a magnet in a 1 x 1 x 2 $5/8$ in. white colored plastic case beneath the stainless steel post.	
	Set a steel fence post near the cor.	
54.60	Top of ridge, bears SE and NW; desc. over rolling land.	
66.20	Bladed road, 23 lks. wide, bears N 36° E and S 36° W.	
74.90	Barbed wire fence, extends N 52° E and S 52° W.	

CHA	INS
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79.60

The cor. of secs. 3, 4, 33, and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above the ground, with several unmarked stones alongside, and brass cap mkd.



from which

An open end iron pipe, 1½ ins. diam., firmly set, projecting 30 ins. above the ground, bears S 18¾° W, 67 lks. dist.

An iron pipe for an abandoned gas well head, 5 ins. diam., firmly set, projecting 5 ft. from the ground, bears S 64½° W, 6.43 chs. dist., side mkd. KERR McGEE STATE 2120 PERMIT No. 349 WELL No. 3-A T19N R26E SEC 4 330 FNL + 330 FEL APACHE CO. ARIZ.

This position is harmoniously related to existing cors. and is accepted as the best available evidence of the original cor.

Raise a mound of stone, 3 ft. base, around the iron post to top.

Set a steel fence post near the cor.

N 86°40' W, bet. secs. 4 and 33.

Over rolling land.

41.79

The $\frac{1}{4}$ sec. cor. of secs. 4 and 33, monumented with a sandstone, 21 x 12 x 5 ins., lying on top of ground, mkd. $\frac{1}{4}$ on top.

At the cor. point

9 2 2 4 0

	
CHAINS	
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20N R26E
	$\frac{1}{4} \frac{\text{S}33}{\text{S}4}$
	T19N
	1987
	from which
	An iron pipe for an abandoned gas well head, 5 ins. diam., firmly set, projecting 6 ft. above the ground, bears N 733 E, 6.84 chs. dist., side mkd. KERR McGEE Fee Well No. 1 T20N R26E SEC 33 PERMIT No. 10 APACHE CO. ARIZ HELIUM WELL TO 1600'.
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.
·	Raise a mound of stone, 3 ft. base, 2 ft. high, W of cor.
	Bury original stone alongside the cor.
	Set a steel fence post near the cor.
	N 89°41' W, beginning new measurement.
	Desc. over rolling land.
32.40	W edge of rim, 80 ft. high, bears N 72° E and S 10° W; desc. to Puerco Valley.
38.90	Track road, 15 lks. wide, bears N 4° E and S 19° W.
39.86	Point for the cor. of secs. 4, 5, 32, and 33, at proportionate dist.; there is no evidence of the original cor.

CHAINS	
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20N R26E S32 S33 S 5 S 4 T19N 1987
	from which
	An open end iron pipe, 1 in. diam., firmly set, projecting 18 ins. above the ground, bears N 77½° E, 86 lks. dist.
	Deposit a magnet in a 1 x 1 x 2 $5/8$ in. white colored plastic case beneath the stainless steel post.
	Raise a mound of stone, 3 ft. base, 2 ft. high, W of cor.
	Set a steel fence post near the cor.
	N 89°41' W, bet. secs. 5 and 32.
	Over nearly level ground.
39.86	True point for the ½ sec. cor. of secs. 5 and 32, at proportionate dist.; there is no evidence of the original cor., falls in the Puerco River, 2 chs. wide, course S 30° E, where it is impracticable to establish a permanent monument.
	From this point, the point for the witness cor. to the ½ sec. cor. of secs. 5 and 32, bears N 43°58' E, 4.70 chs. dist.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	w C
	T20N R26E 1 S32
	v√s 5
	T19N 1987

11² < 46

CHAINS	
	Deposit a magnet in a $1 \times 1 \times 2 = 5/8$ in. white colored plastic case beneath the stainless steel post.
	Set a steel fence post near the cor.
	Continue over brushy level ground.
79.72	True point for the cor. of secs. 5, 6, 31, and 32, at proportionate dist.; there is no evidence of the original cor., falls on a sand bar of the Puerco River, where it is impracticable to establish a permanent monument.
	From this point, the point for the witness cor. to the cor. of secs. 5, 6, 31, and 32, bears N 82°58' E, 4.30 chs. dist.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	WC T20N R26E S31 S32 S 6 S 5
	T19N 1987
	Deposit a magnet in a $1 \times 1 \times 2 5/8$ in. white colored plastic case beneath the stainless steel post.
	Set a steel fence post near the cor.
	N 89°41' W, bet. secs. 6 and 31.
	Across sand bar of Puerco River.
4.00	Puerco River, 4 chs. wide, course N 34° W; asc. E slope.
25.50	E edge of rim, 80 ft. high, bears N and S; continue across rolling top of mesa.
39.86	Point for the \(\frac{1}{4} \) sec. cor. of secs. 6 and 31, at proportionate dist.; there is no evidence of the original cor.

CHAINS	
	Set an aluminum rod, 12 ins. long, 3/4 in. diam., 4 ins. in cement in a drill hole in bedrock, with aluminum cap mkd.
	T20N R26E 1/4 S31 S 6 T19N 1987
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.
	Raise a mound of stone, 3 ft. base, 2 ft. high, W of cor.
	Set a steel fence post near the cor.
40.06	W edge of rim, bears N 40° E and S 46° W, desc. 80 ft. over W slope.
74.50	Puerco River, 3 chs. wide, course S 60° W.
77.05	The cor. of Tps. 19 and 20 N, Rs. 25 and 26 E, monumented with a stainless steel post, $2\frac{1}{2}$ ins. diam., set, mkd., and witnessed as described in the field notes of the 1987 dependent resurvey of T 19 N, R 25 E, surveyed concurrently.
	Dependent Resurvey, a Portion of the West Boundary, T 20 N, R 26 E, Gila and Salt River Mer., Arizona
	(Reestablishment of the survey executed by Frank Follman, U.S. Deputy Surveyor, in 1882).
	N 0°03' E, bet. secs. 31 and 36.
	Over rolling land.
1.95	Railroad tracks, bear N 60° E and S 59° W.
2.25	Railroad tracks, bear N 60° E and S 59° W.
2.60	Railroad tracks, bear N 60° E and S 59° W.

	22 N, R 20 D, CHA MR BATT REVEL RELIA
CHAINS	
3.60	Power line, bears N 60° E and S 59° W.
40.14	Point for the ½ sec. cor. of secs. 31 and 36, at proportionate dist.; there is no evidence of the original cor.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20N
	R25E R26E S36 S31 1987
	Deposit a magnet in a 1 x 1 x 2 $5/8$ in. white colored plastic case beneath the stainless steel post.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N of cor.
	Set a steel fence post near the cor.
55.00	Point for a witness point on line bet. secs. 31 and 36.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	WP
	T2ON
	R25E R26E S36 S31
	1987
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.
	Set a steel fence post near the cor.
	Cor. is located on a ridge, bears N 65° W and S 65° E.
80.28	The cor. of secs. 25, 30, 31, and 36, monumented with an open end iron pipe, $1\frac{1}{2}$ ins. diam., firmly set, projecting 6 ins. above the ground, with a sandstone, $14 \times 8 \times 2$ ins., no marks visible, set alongside.
	•

	20 M, R 20 D, Gila and Bait River Mel., Alizona
CHAINS	
	At the cor. point
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T2ON R25E R26E S25 S30 S36 S31 1987
	Deposit a magnet in a $1 \times 1 \times 2 = 5/8$ in. white colored plastic case beneath the stainless steel post.
	Bury original stone alongside the cor.
	Set the l_2^1 in. diam. iron pipe beneath and inside the stainless steel post.
	Set a steel fence post near the cor.
	Cor. is located 55 lks. W of a barbed wire fence, extends S 13° E and N 13° W; and 147 lks. E of a wash, 68 lks. wide, drains southerly.
·	N 0°10' E, bet. secs. 25 and 30.
	Over rolling land.
2.00	Barbed wire fence, bears S ll° E and N ll° W.
20.15	Point for a witness point bet. secs. 25 and 30, at intersection with the southerly right-of-way of Interstate Highway No. 40.
	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.
	WP T2ON R25E R26E S25 S30 1987
	Deposit a magnet in a $1 \times 1 \times 2$ 5/8 in. white colored plastic case beneath the stainless steel post.

CHAINS	
	Set a steel fence post near the cor.
	Cor. is located in a barbed wire fence, extends N 80° E and S 80° W.
	From this point, an Arizona Highway Department right-of-way marker, bears N 80°00' E, 10.17 chs. dist., monumented with a brass disk, 3 ins. diam., firmly set in a concrete collar, 6 x 6 ins., flush with ground, disk mkd.
	RP WB 206.00 SURVEY LINE EL. 5614.26 1962
	From this same point, an Arizona Highway Department right-of-way marker, bears S 80°00' W, 23.16 chs. dist., monumented with a brass disk, 3 ins. diam., firmly set in a concrete collar, 6 x 6 ins., projecting 2 ins. above the ground, disk mkd.
·	RP WB EL 5621.52 206.00 SURVEY LINE 1962
21.70	E bound lanes of Interstate Highway No. 40, 60 lks. wide, bears N 80° E and S 80° W.
23.30	W bound lanes of Interstate Highway No. 40, 60 lks. wide, bears N 80° E and S 80° W.
24.86	Point for a witness point bet. secs. 25 and 30, at intersection with the northerly right-of-way of Interstate Highway No. 40.
,	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 25 ins. in the ground, with brass cap mkd.
	WP T20N R25E R26E S25 S30 1987

CHAINS	
·	Deposit a magnet in a 1 x 1 x 2 $5/8$ in. white colored plastic case beneath the stainless steel post.
	Set a steel fence post near the cor.
	Cor. is located 4 lks., N 45° E of a fence cor. of a barbed wire fence, extending N, N 80° E, and S 80° W.
	From this point, an Arizona Highway Department right-of-way marker, bears N 80°00' E, 9.34 chs. dist., monumented with a brass disk, 3 ins. diam., firmly set in a concrete collar, 6 x 6 ins., flush with the ground, disk mkd.
	POT RP 102 WB 720x00 EL 5611.53 1976
	From this same point, an Arizona Highway Department right-of-way marker, bears S 80°00' W, 23.98 chs. dist., monumented with a brass disk, 3 ins. diam., firmly set in a concrete collar, 6 x 6 ins., flush with ground, disk mkd.
·	POT RP 102 WB 698x00 19
31.90	S edge of a spur, bears E and W.
35.40	N edge of a spur, bears E and W.
40.02	The $\frac{1}{4}$ sec. cor. of secs. 25 and 30, monumented with a sandstone, 16 x 8 x 8 ins. mkd. $\frac{1}{4}$ S on N face, firmly set flush in ground.
	At the cor. point
,	Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T20N

Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.

Bury original stone alongside the cor.

Set a steel fence post near the cor.

Cor. is located 6 lks. E of a fence, extending N 2° E and S 2° W, and 12 lks. S of a wash, 13 lks. wide, drains W.

GENERAL DESCRIPTION

The land encompassed by this survey is located approximately 3 miles southerly of Navajo, Arizona. The Puerco River flows southwesterly across the township.

Access is by Interstate Highway No. 40 and private dirt roads across ranch lands.

The terrain is mostly rolling with occasional sandstone outcrops. Vegetation is mostly sagebrush and grass with widely scattered junipers and cholla cactus.

The principal use of the land is livestock grazing.

CHAINS

B00K 5246

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Jonathan O. Begay	Land Surveyor (In Training)
Donald L. Brewer	Survey Technician
Robert M. Charboneau	Survey Technician
Gary D. Knoff	Survey Technician
Robert J. Lyle	Survey Technician
Gordon R. Bubel	Survey Aid

CERTIFICATE OF SURVEY

I, Kenneth W. Bays, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 12th day of January 1987, I have dependently resurveyed the south boundary and a portion of the west boundary, Township 20 North, Range 26 East, of the Gila and Salt River Meridian, in the State of Arizona which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

Saptamber 10, 1987 (Date)	(Cadastral Surveyor)
(Date)	(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management

The foregoing field notes of the dependent resurvey of the south boundary and a portion of the west boundary, T 20 N, R 26 E, Gila and Salt River Meridian, Arizona, executed by Kenneth W. Bays, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

(Date)

SEP 2 1 1987

(Chief Cadastral Surveyor of Arizona)