



WATER-RIGHT DOCKET

Organ Pipe Cactus National Monument

Docket No: 7

GACHADO WELL

Preliminary Docket Information

09-23-1974: water right/source docket information

WATER RESOURCES/WATER RI

DATE: September 23, 1974

WATER RIGHT/SOURCE DOCKET INFORMATION

REGION Western AREA Organ Pipe Cactus National Monument
 SITE Gachado Well
 STATE Arizona COUNTY PIMA DOCKET NO WR#7
SEC 11/10 5/25/78
 LOCATION NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 9, T18S, R5W, G&SRB&M
 REGIONAL BASIN WESTERN MEXICAN DRAINAGE LOCAL BASIN RIO SONOITA
 ACQUIRED BY _____
 APPLICATION A-3061 PERMIT _____ CERTIFICATE _____
 ACTION DUE _____ PRIORITY _____ RESERVATION _____
 QUANTITY 750,000 GPY USE Stockwatering
 STATUS Inactive - Well caved in due to age SOURCE Well

REMARKS See: Review of the Grazing Privileges in ORPI dated July 31, 1974

NARRATIVE:

Mr. Lon Blankenship dug the Gachado Well sometime between 1916 and 1920 (probably 1917). Long before the creation of Organ Pipe Cactus National Monument in 1937, the Gray family purchased Mr. Blankenship's interests in the Gachado Well and a ranch in a nearby section. The well was said by Superintendent Supernaugh to be about 85 feet deep, pumped by a windmill, and there was no evidence of a surface spring.

On June 20, 1950, Jack Gray filed upon the Gachado Spring Well in Application No. A-3061 with the State of Arizona. This was protested by the National Park Service on the basis that the water is not subject to appropriation because it is percolating in the alluvium of the Sonoita Valley and that the applicants had access to this well only under a grazing permit. They had no permanent right to use the land and to divert the water or to gain access to the well.

On October 3, 1957, the State Land Commissioner rejected Application No. A-3061 on the basis that the applicant had attempted to appropriate percolating waters not within the definition of appropriable water contained in Arizona Revised Statutes, Section 45-101. On October 29, 1957, Mr. Coker, attorney for the applicants, filed a notice of appeal. However, on January 18, 1960, the Superior Court for the County of Pima ordered the case be dismissed for want of prosecution (i.e., for lack of diligence in proceeding with the appeal to obtain judgement).

At last, notice the well had caved in due to age.

Tim Kern
June, 1978

Compiled by Mike Ackerman

Approved by W. Werrell

Page 1 of 1



DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

REGISTRATION OF EXISTING WELLS

READ INSTRUCTIONS ON BACK OF THIS FORM BEFORE COMPLETING
PRINT OR TYPE - FILE IN DUPLICATE

Declaration: The United States gives this
of .lication to the State in the interest
State county, and does not concede that the
the United States to the use of water.

REGISTRATION FEE (CHECK ONE)	
EXEMPT WELL (NO CHARGE)	☒
NON-EXEMPT WELL - \$10.00	☐

FOR OFFICE USE ONLY	
REGISTRATION NO. 55-	629156
FILE NO.	8(18-5)9 cad
FILED	6-9-82 AT 1:30
(DATE)	(TIME)
INA	
AMA	

- Name of Registrant:
National Park Service, Western Region, Division of Water Resources
450 Golden Gate Ave., Box 36063, San Francisco, CA 94102
(Address) (City) (State) (Zip)
- File and/or Control Number under previous groundwater law:
(File Number) 35- (Control Number)
- The well is located within the SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 9, of Township 18 S N/S, Range 5 W E/W, G & SRB & M, in the County of Pima.
 - If in a subdivision: Name of subdivision _____, Lot No. _____, Address _____.
- The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
Unused, Ranch Operations (historical)
- If for irrigation use, number of acres irrigated from well _____.
- Owner of land on which well is located. If same as Item 1, check this box ☒

(Address) (City) (State) (Zip)
- Well data (If data not available, write N/A)
 - Depth of Well 80 feet
 - Diameter of casing none inches
 - Depth of casing none feet
 - Type of casing none
 - Maximum pump capacity N/A gallons per minute.
 - Depth to water 60.6 feet below land surface.
 - Date well completed 1916
(Month) (Day) (Year)
- The place(s) of use of water. If same as Item 3, check this box ☐

Organ Pipe Cactus National Monument - Gachado Well
Attach additional sheet if necessary.
- DATE JUN 3 1982 SIGNATURE OF REGISTRANT (Sgd) Gerard S. Witucki
GERARD S. WITUCKI
CHIEF, DIVISION OF WATER RESOURCES

Supporting Hydro Data

FORM NO 9-1904-A

SITE NO. (C-18-5) 9 cad

Recorded by D. CLAY R. Westphal

U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
GROUND WATER SITE INVENTORY
SITE SCHEDULE

Date Nov 16 1976

Check One ☒ English ☐ Metric Units

GENERAL SITE DATA (0)

Site ID No. **315217-212471.2**

RG Number **R=0*** Transaction **T=** **A D M V**
see, delete, modify, verified

Reliability **3=C** U L M *
field checked, unchecked, location not, minimal accuracy, data

Reporting Agency **USGS**

Project No. **5-WMO** District **B-04** State **7-04** County (or town) **PIMA** **B-019**

Latitude **9=31.5217** Longitude **10=-112.4712** Lat-Long Accuracy **11=S O T M ***
deg min sec sec, 5 sec, 10 sec, Min.

Local Number **12=C-18-05.09CAD** Net Loc. **13=SENESESU.09.T18S.R05W.G**
1/4 1/4 section, township, range, meridian

Location Map **14-LUREVILLE** Scale **15=62500**

Altitude **16=1390** Method of Measurement **17=A L M *** Accuracy **18=40**
astimeter, level, map

Topo Setting **19=D C E F H K L S P S T U W *** Hydrologic Unit (OWDC) **20=**
depression, stream, dunes, flat, hilltop, sink, swamp, offshore, pediment, hillslope terrace, undulating, valley, upland channel

Date of First Construction/Completion **21=00/00/1910** Use of Site **22=A D E G H I J M P R S T U W X Z ***
month day year anode, drain, gas, seismic, heat, observe: mine, oil or, recharge, repress, test, unused, with - waste, destroyed thermal, reactor, sludge, gas drawal

Use of Water **24=A B C D E F H I J M N P R S T U W Y Z ***
air cond., bottling, commercial, domestic, power, fire, domestic, irrigation, medicinal, industrial, public recreation, stock supply, institution, unused, deal, other

Secondary Water Use **25=* * * * *** Tertiary Use of Water **26=* * * *** Depth of Hole **27=356** Depth of Well **28=356** Source of **29=S**
water well Depth Data

Water Level **30=** Date Measured **31=** Source **33=S ***
month day year

Method of Measurement **34=A C E G H L M R R S T V Z ***
active, calibrated, estimated, pressure, calibrated, geophysical, manometer, reported, steel, electric, tape, surface water, other

Site Status **37=D F G H I J P R S T V X Z ***
dry, flowing, nearby, nearby, obstruction, pumping, recently, nearby, nearby, foreign surface water other
flowing, nearby, nearby, pumping, pumping, pumped, effects

Source of Geohydrologic Data **38=** Pump Used **39=X** Measuring Point **256=** Monitoring Point Date **267=11/16/1996**
month day year

Sounded
dry @ 56
12-14-16
JWA

OWNER IDENTIFICATION (1)

R = 158 * T = (A) D M * Date of Ownership 159 #: 00/00/1963 *
 add, delete, modify month day year
 Name: Last 161 = GACHACO * First 162 = WELL * Middle Initial 163 = *

OTHER SITE IDENTIFICATION NUMBERS (1)

☐ R = 189 * ☐ T = A D M * ☐ 190 # ☐ * ☐ 191 = ☐ *
 add, delete, modify ☐ 190 # ☐ * ☐ 191 = ☐ *
☐ New Card Same R & T ☐ 190 # ☐ * ☐ 191 = ☐ *

SITE VISIT DATA (1)

R=186* T=(A) D M * Date of Visit 187# 1/1/6/1976 * Name of Person 188* CLAY D ANDERSON T

FIELD WATER QUALITY MEASUREMENTS (1)

R-192	T-A-D-M	Date 193 # / / year	Geohydrologic Unit 195 #
New Card Same R liby 195		add delete modify	
Temperature 196 # 0 0 0 1 0 *	Degrees C	197 -	*
Conductance 198 # 0 0 0 9 5 *	μ Mhos	199 -	*
Other (STORET) Parameter 196 #	Value	197 -	*
Other (STORET) Parameter 198 #	Value	199 -	*

FOOT NOTES:

① Source of Data Codes:

S	D	O	A	R	L	G	Z
reporting, driller, owner, other gov't.	other	logs, geologist, other					
agency		reported					

(C-18-5) 9 cad

WELL CONSTRUCTION DATA (1)

R = 58 * T = (A) D M * to 59 = 0.0.1 * Date of Construction Completion 80 = 00/00/1916 Source of ① 64 = S *
add, delete, modify

Name of Contractor/Driller 63 =

Method of Construction 65 = A B C (D) H J P R T V W Z *
air rotary, rotary, bored, cable tool, dug, hydraulic, jetted, air-per, reverse, trenching, driven, drive, other

Finish 66 = C F G H (I) P S T W (X) Z * Type of Seal 67 = B C G Z *
porous, gravel w, gravel, horizontal, open, perforated, screen, sand point, walled, open, other
concrete, bent, screen, and, or slotted
bentonite, clay, cement, other

Bottom of Seal 68 = * Method of Development 69 = A B C J N P S Z * Number of Hours in Development 70 = *
air lift, bailed, compressed, jetted, none, other, surged, other
pump

Special Treatment During Development 71 = C D E F H M Z *
chemicals, dry ice, explosives, deflocculant, hydrofracturing, mechanical, other

DIMENSIONS OF THE HOLE CONSTRUCTED (2)

R = 72 * T = A D M * Construction Entry No 59 # *
add, delete, modify

Top of Hole Segment Below LSD 73 # * Bottom of Hole Segment below LSD 74 # * Diameter of Hole Segment 75 # *
 73 # * 74 # * 75 # *
 73 # * 74 # * 75 # *
 73 # * 74 # * 75 # *
 73 # * 74 # * 75 # *
 73 # * 74 # * 75 # *

New Card for Each Hole Segment Same R, T & Field 59

CASING SCHEDULE (2)

R = 76 * T = A D M * Construction Entry No 59 # *
add, delete, modify

Top of Casing Segment Below LSD 77 # * Bottom of Casing Segment Below LSD 78 # * Diameter of Casing Segment 79 # * Casing Material ⑤ 80 # * Thickness of Casing 81 # *
 77 # * 78 # * 79 # * 80 # * 81 # *
 77 # * 78 # * 79 # * 80 # * 81 # *
 77 # * 78 # * 79 # * 80 # * 81 # *
 77 # * 78 # * 79 # * 80 # * 81 # *

New Card for Each Casing With Same R, T & Field 59

OPENINGS SCHEDULE (2)

R = 82 * T = A D M * Construction Entry No 59 # *
add, delete, modify

Top of Section Below LSD 83 # * Bottom of Section Below LSD 84 # *
 83 # * 84 # *
 83 # * 84 # *
 83 # * 84 # *
 83 # * 84 # *
 83 # * 84 # *

Type of Openings ⑥ 85 # *
 Type of Material ⑦ 86 # *
 Diameter of Open Section 87 # *
 Width of Opening 88 # *
 Length of Opening 89 # *

New Card for Each Open Section With Same R, T and Field 59

FOOT NOTES:

① Source of Data Codes: S D B A R L G Z
reporting, driller, owner, other gov't, other logs, geologist, other agency reported,

⑤ Casing Material Codes: B C G I M P R S T U W Z
brick, concrete, galv, wrought, other, PVC or, rock or, steel, tile, coated, wood, other iron iron metal plastic stone steel

⑥ Type of Openings Codes: F L M P R S T W X Z
fracture, burred, man, perforated, wip, screen, sand, walled, open, other shuttered or slotted wound (unknown) point hole

⑦ Type of Material Codes for Open Sections: B C G I M P R S T Z
brass or, concrete, galv, wrought, other, PVC or, stainless, steel, tile, other bronze iron iron metal plastic steel

GEOHYDROLOGIC UNIT DESCRIPTIONS (1)

R = 90 * T = A D M * Entry No 256 # Depth to Top 91 = Depth to Bottom 92 =

Unit Identifier 93 = Lithology 96 = Lithologic Modifier 97 =

AQUIFER DATA (2)

R = 94 * T = A D M * Geohydrologic Unit Entry No 256 #

Date 95 # / / Water Level 126 = % Water Contributed 132 =

month day year

GEOHYDROLOGIC UNIT DESCRIPTIONS (1)

R = 90 * T = A D M * Entry No 256 # Depth to Top 91 = Depth to Bottom 92 =

Unit Identifier 93 = Lithology 96 = Lithologic Modifier 97 =

AQUIFER DATA (2)

R = 94 * T = A D M * Geohydrologic Unit Entry No 256 #

Date 95 # / / Water Level 126 = % Water Contributed 132 =

month day year

PERTINENT REMARKS

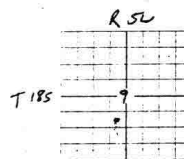
R = 183 * T = A * 185 =

add 185 =

New Card Same R&T 185 =

NOTES:

National Park Service is reported to have sounded the depth of this well at 57 feet in 1973, (I got 56 feet in 12/76). *SL*



U. S. GOVERNMENT PRINTING OFFICE : 1975 O - 578-019

(c-18-5) 9cad

ORPI 7-68

WATER SOURCE REPORT

Name of Water Source: Gachado Well
 Luke-
 Quadrangle ville T. 18S R. 5W Elevation 1590 ft. Map Scale 1:62500
 Photos Yes Sketch No Recorded on Map Yes

Access Route: Drive to Lukeville Customs and turn left (east) at boundary fence and drive 2 miles to well located just off the road.

Terrain: Flat, few washes. Water obtained from underground flow of Gachado Wash.

Ground Cover: Creosote, salt bush.

Flow: Past (date) 20,000 gal/day ^{6/52.} Present _____

Depth 780' Length 4' Width 4' Storage _____ gals. (estimated)
 6/52; orig. depth - 4' ft.
 780', 55' to water.

Brief History: Dug by Lon Blankenship around 1916-1920. Papagos claim Gachado a watering place for over 300 yrs. Named after the large, very old mesquite tree at the site with the crooked limb. Gachado refers to crooked, bent.

Present Development and Human Use: An adobe one-room house, corral and windmill (fallen). Used for round-up purposes.

Wildlife Use:

Remarks & Recommendations:

1. Development and Maintenance Adobe house should be preserved as example of architectural border history. Selected by Regional Historian as a primary historical site (in conjunction with Blankenship). Break in wall should be repaired.

2. Protection and Use See Historical sites and structures survey report, ORPI library.

Observer-Compiler Bill Hoy Title Seas. Ranger Date 7/14/68

PERMANENT REFERENCE
Do Not Discard

NATIONAL PARK SERVICE

 FORM 9-1642B
(DEC 68)

 Well No. (C-18-5) 9cad

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Preliminary Map:

Record by W. Werrell Source of data Field Date July 10, 73 Map Nariz Mt. 2 NE, 7 1/2

State Ariz County 04 (or town) Pima Sequential number: 10

Latitude: 31 52 18 N Longitude: 111 24 71 W

Local well number: C-18-05 09 CAD Other number: Gachado Well

Local use: GACHADO WELL Owner or name: _____

Ownership: County, (F) Fed Gov't, (M) City, Corp or Co, Private, State Agency, Water Dist: F

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, (U) Unused, Recharge, Recharge, Desal-P S, Desal-other, Other: U

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, (U) Unused, Withdraw, Waste, Destroyed: U

DATA AVAILABLE: Well data ☐ Freq. W/L meas.: ☐ Field aquifer char. ☐

Hyd. lab. data: ☐

Qual. water data: type: ☐

Freq. sampling: ☐ Pumpage inventory: no, period: ☐

Aperture cards: ☐

Log data: ☐

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 80 ft Meas. 80 ft accuracy 40 ft

Depth cased: 0 ft Casing type: 0 Diam. 40 in

Finish: (C) porous concrete, (F) gravel w. concrete, (G) gravel w. (perf.), (H) horiz. gallery, end, (J) open, (P) perf., screen, sd. pt., (S) shored, (W) open hole, (X) other, (Z) other

Method: (A) air, (B) bored, (C) cable, (D) dug, (H) hyd, (J) jetted, (P) air, (R) reverse, (T) trenching, (V) driven, (W) drive, (Z) wash, other

Date Drilled: 1916-1920 Pump intake setting: _____ ft

Driller: Lon Blankenship name (L) address _____

Lift: (A) air, (B) bucket, (C) cent, (J) jet, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, other: Deep

Power: (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. _____ Trans. or meter no. _____

Descrip. MP: top of cover boards; 0.6 ft above LSD, Alt. MP _____

Alt. LSD: 1390 Accuracy: USGS Topo - 10' Contours

Water Level: 60.6 ft above MP; Ft. below LSD: 6.1 Accuracy: Measured

Date meas: June 11, 52 Yield: 6.52 gpm Method determined: A

Drawdown: _____ ft Accuracy: _____

QUALITY OF WATER DATA: Iron ppm _____ Sulfate ppm _____ Chloride ppm _____ Hard. ppm _____

Sp. Conduct _____ K x 10⁶ Temp. _____ °F Date sampled _____

Taste, color, etc. _____

Well No. (C-18-5) 9cad

Well No. (C-18-5) 9 cadLatitude-longitude 31.52.18^N 112.47.12^W

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Province: Basin & Range Section: Sonoran
Desert Drainage: Western Mexican Subbasin: Rio Sonora

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (P) (H) (K) (L)
 (M) (S) (T) (U) (V)
 offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR Aquifer: system series aquifer, formation, group

Lithology: Origin: Thickness: ft

Length of well open to: ft Depth to top of: ft

MINOR Aquifer: system series aquifer, formation, group

Lithology: Origin: Thickness: ft

Length of well open to: ft Depth to top of: ft

Intervals Screened: Depth to consolidated rock: ft Source of data:

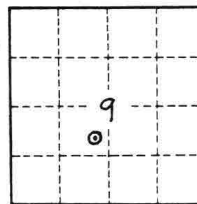
Depth to basement: ft Source of data:

Surficial material: Infiltration characteristics:

Coefficient Trans: gpd/ft Coefficient Storage:

Coefficient Perm: gpd/ft² Spec cap: gpm/ft; Number of geologic cards:

See: Coates, D.R., 1952, Geology of ground water in the Organ Pipe Cactus National Monument; U.S. Geol. Survey open-file report. Coates states that well was "about 80 ft" deep, and that the water level he measured on June 11, 1952 was 60.62 ft below land surface datum - also that well pumpage was about 20,000 gal/day. Windmill has recently been taken down. Well sounded, depth = 60.9 feet below land surface datum. Water level = 60.0 feet below land surface datum, by steel tape. July 10, 1973

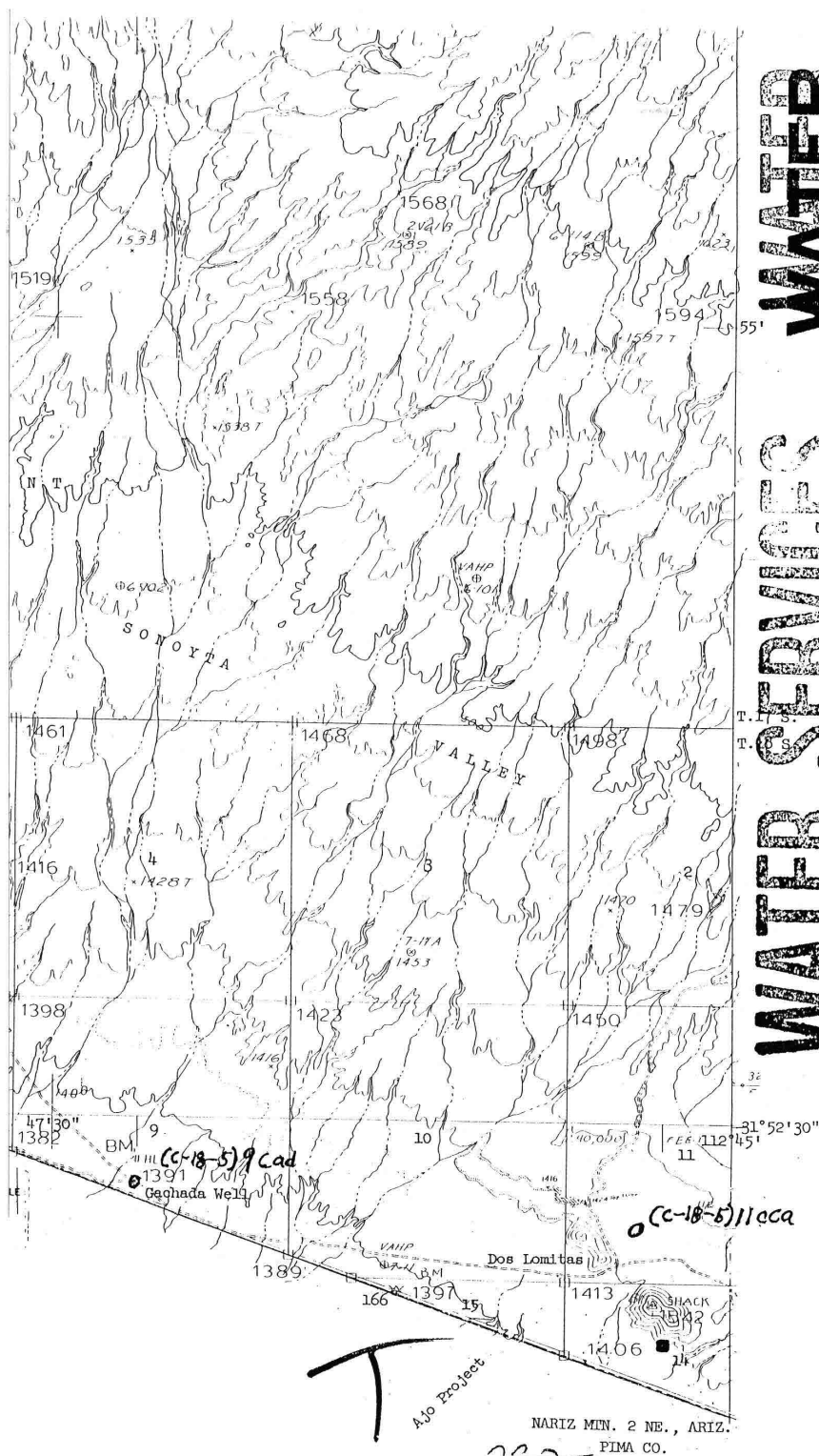


Well sounded on Feb 8, 1974. Shoring posts have fallen into the well such that depth is now 57.3 feet below land surface datum. Well is dry.

W. Werrell

See: Inventory of all wells in ORPI, by park, Dec 15, 1951
 Well is reported as probably dug in 1800's, capacity about 20,000 gal/day.

GPO: 1972 O-475-840



Number of Documents in Docket	9		
Documents Dated from	6/10/1973	to	6/3/1982
Docket Compiled:	6/3/2011		