

Certified Drilling Log

7597
LAS 1270

by

DOC Co. dba

SULLIVAN WATER WELLS

P. O. BOX 272, CHUGIAK, ALASKA 99567 • TELEPHONE 688-2759

OWNER OF LAND TURNER CONST
 ADDRESS PO Box 589 E R
 LEGAL DESCRIPTION EQUESTRIAN ACRES ^{L18} ₈₅
 DATE - Started 4/13/83 Ended 4/15/83
 PERMIT NUMBER _____

DEPTH OF WELL 166' 7"
 STATIC LEVEL OF WATER FT. 101' 6"
 DRAW DOWN FT. _____
 GALS. PER ^{MIN} 150 PLUS
 KIND OF CASING 6" 00

KIND OF FORMATION:

| | |
|-------------------------------------------------------------------|--------------------------------------------------------|
| From <u>0</u> Ft. to <u>1</u> Ft. <u>OVERSILICOEN</u> | From <u>168</u> Ft. to _____ Ft. <u>SAND S/ GRAVEL</u> |
| From <u>1</u> Ft. to <u>15</u> Ft. <u>CLEAN SAND & GRAVEL</u> | From _____ Ft. to _____ Ft. <u>WATER</u> |
| From <u>15</u> Ft. to <u>48</u> Ft. <u>SAND GRAVEL CLAY</u> | From _____ Ft. to _____ Ft. _____ |
| From _____ Ft. to _____ Ft. <u>MIXED</u> | From _____ Ft. to _____ Ft. _____ |
| From <u>48</u> Ft. to <u>69</u> Ft. <u>BLUE CLAY S/ GRAVEL</u> | From _____ Ft. to _____ Ft. _____ |
| From <u>69</u> Ft. to <u>78</u> Ft. <u>LARGE GRAVEL S/</u> | From _____ Ft. to _____ Ft. _____ |
| From _____ Ft. to _____ Ft. <u>CLAY S/ BOULDERS</u> | From _____ Ft. to _____ Ft. _____ |
| From <u>78</u> Ft. to <u>85</u> Ft. <u>WATER SAND S/</u> | From _____ Ft. to _____ Ft. _____ |
| From _____ Ft. to _____ Ft. <u>GRAVEL</u> | From _____ Ft. to _____ Ft. _____ |
| From <u>85</u> Ft. to <u>117</u> Ft. <u>BLUE CLAY &</u> | From _____ Ft. to _____ Ft. _____ |
| From _____ Ft. to _____ Ft. <u>GRAVEL</u> | From _____ Ft. to _____ Ft. _____ |
| From <u>117</u> Ft. to <u>124</u> Ft. <u>GRAVEL & BOULDER</u> | From _____ Ft. to _____ Ft. _____ |
| From _____ Ft. to _____ Ft. <u>S/ CLAY - BROWN</u> | From _____ Ft. to _____ Ft. _____ |
| From <u>124</u> Ft. to <u>130</u> Ft. <u>SAND & GRAVEL</u> | From _____ Ft. to _____ Ft. _____ |
| From _____ Ft. to _____ Ft. <u>S/ CLAY - WET</u> | From _____ Ft. to _____ Ft. _____ |
| From <u>130</u> Ft. to <u>168</u> Ft. <u>COARSE SAND LARGE</u> | From _____ Ft. to _____ Ft. _____ |
| From _____ Ft. to _____ Ft. <u>GRAVEL - WATER.</u> | From _____ Ft. to _____ Ft. _____ |

SA 18-8-81 C080 1-15

MISCL. INFORMATION:

SEE ATTACHED PAGE FOR SCREENING INFORMATION FOR
 WELL #1 6"

2 wells on same lot. (LR, 85, per DWM), about 80' apart (per Ridgeway, Arch Well & Pump, phone convs. 06-25-87)

for more info: Jack Felton, Datum Eng.

DRILLER'S NAME Bell

MULLIVAN WATER WELLS

EQUESTRIAN ACRES WELL #1 6"

143' 6 1/2" TOTAL 6" CASING

3' 9" 5" PIPE RISER & SELF SEALING PACKER

145' 3" TOP OF SCREEN

5' 3" 100 SLOT JOHNSON STAINLESS STEEL SCREEN

5' 4" 150 SLOT JOHNSON STAINLESS STEEL SCREEN

5' 5" 150 SLOT JOHNSON STAINLESS STEEL SCREEN

5' 4" 100 SLOT JOHNSON STAINLESS STEEL SCREEN

BOTTOM OF SCREEN 166' 7"



CHEMICAL & GEOLOGICAL LABORATORIES OF ALASKA, INC.

TELEPHONE (907) 562-2343

ANCHORAGE INDUSTRIAL CENTER
5633 B Street



7597

Drinking Water Analysis Report for Inorganic, Organic, and Radiochemical Contaminants

TO BE COMPLETED BY PUBLIC WATER SUPPLIER

PUBLIC WATER SYSTEM:

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

I.D. NO.

Datum Engineering

Public Water System Name

P.O. Box 800

Address

Palmer, Alaska 99645

City

State

Zip Code

Note: Check box to left of contaminants listed below for the analyses desired.

SAMPLE DESCRIPTION:

Collected By J. Ridgeway

Equestrian Acres-S/D Well #1

Sample Location

Source Type Surface Water Ground Water

Sample Date

| | |
|---|---|
| 1 | 1 |
|---|---|

Mo.

| | |
|---|---|
| 0 | 8 |
|---|---|

Day

| | |
|---|---|
| 8 | 4 |
|---|---|

Year

Routine Sample

Untreated Water

Special Purpose Sample

Treated Water

TO BE COMPLETED BY CERTIFIED LABORATORY

CHEMICAL & GEOLOGICAL LABORATORIES OF ALASKA, INC.

Laboratory Name

5633 "B" STREET

Address

ANCHORAGE,

ALASKA

99502

City

State

Zip Code

Sample No.

7026-1

Station No.

Laboratory Analysis No.

GY

11-9-84

Received by

Date

INORGANICS

| | Limit | Mg/l |
|---------------------------------------------|---------|-------------|
| <input type="checkbox"/> Arsenic | (0.05) | 0 . 0 0 2 6 |
| <input type="checkbox"/> Barium | (1.) | 0 . 0 5 |
| <input type="checkbox"/> Cadmium | (0.010) | 0 . 0 0 2 |
| <input type="checkbox"/> Chromium | (0.05) | 0 . 0 1 |
| <input type="checkbox"/> Fluoride -- | (2.4) | 0 . 1 0 |
| <input type="checkbox"/> Lead | (0.05) | 0 . 0 1 |
| <input type="checkbox"/> Mercury | (0.002) | 0 . 0 0 2 |
| <input type="checkbox"/> Nitrate - Nitrogen | (10.) | 0 . 2 8 |
| <input type="checkbox"/> Selenium | (0.01) | 0 . 0 0 1 |
| <input type="checkbox"/> Silver | (0.05) | 0 . 0 1 |
| <input type="checkbox"/> Turbidity | (1 NTU) | 8 . 4 |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |

ND Indicates Not Detected

11-15-84

Stephen C. Ede

Date Analysis Completed

Signature of Laboratory Supervisor

ORGANICS

| | Limit | Mg/l |
|--------------------------------------------|----------|------|
| <input type="checkbox"/> Endrin | (0.0002) | |
| <input type="checkbox"/> Lindane | (0.004) | |
| <input type="checkbox"/> Methoxychlor | (0.1) | |
| <input type="checkbox"/> Toxaphene | (0.005) | |
| <input type="checkbox"/> 2, 4-D | (0.1) | |
| <input type="checkbox"/> 2,4,5 - TP Silvex | (0.01) | |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |

RADIOACTIVITY

| | Limit | pCi/l |
|-------------------------------------------|----------|-------|
| <input type="checkbox"/> Gross Alpha | (15) | |
| <input type="checkbox"/> Radium 226 & 228 | (5) | |
| <input type="checkbox"/> Gross Beta | (50) | |
| <input type="checkbox"/> Strontium - 90 | (8) | |
| <input type="checkbox"/> Tritium | (20,000) | |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |

11-16-84

Date reported

SA/8-2-31 CDBC/1-15

Well / Pump Service

Anchorage

PROJECT Equestrian Acres Subd

SUBJECT WELL Lot 6

ENGINEER Datum Engineers

DEPTH 166'7"

LOCATION Palmer Wasilla Hwy

STATIC 115

| DATE | TIME | FLOW RATE | WATER LEVEL | COMMENTS |
|---------|--------|-----------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7/6/83 | 4:00pm | | 115 | Temp 60°, Water Brown Cas Sid Richards @ site, Valve 30%, Meter Trouble Shut Down Meter Sid left Valve 30% Water Clear Checked Monitor Well Reduce Flow Avg to 142 Generator Check Oil 48PSI 215V(low) Temp 140 L1 36 56 Hz (low) L2 36 60 Amp L3 36 Check Discharge Area No Problems Yet Shift to ½ hour til 9:10 Check Discharge Area Fueled Generator |
| | 4:05 | | 122 | |
| | 4:10 | | 123 | |
| | 4:18 | | | |
| | 5:10 | 148 | 115 | |
| | 5:15 | 148 | 123 | |
| | 5:20 | 148 | 123½ | |
| | 5:25 | 148 | 123½ | |
| | 5:30 | 148 | 123½ | |
| | 5:35 | 148 | 123½ | |
| | 5:40 | 148 | 124 | |
| | 5:45 | 148 | 124 | |
| | 5:50 | 148 | 124 | |
| | 6:10 | 148 | 124½ | |
| | 6:15 | 142 | 124½ | |
| | 6:20 | 142 | 124½ | |
| | 6:25 | 142 | 124½ | |
| | 6:30 | 142 | 124½ | |
| | 6:35 | 142 | 124½ | |
| | 6:40 | 142 | 124½ | |
| | 6:45 | 142 | 124½ | |
| | 6:50 | 142 | 124½ | |
| | 6:55 | 142 | 124½ | |
| | 7:00 | 142 | 124½ | |
| | 7:05 | 142 | 125 | |
| | 7:10 | 142 | 125 | |
| | 7:40 | 142 | 125 | |
| 8:10 | 142 | 125 | | |
| 8:40 | 142 | 125 | | |
| 9:10 | 142 | 125 | | |
| 9:30 | | | | |
| 9:50 | | | | |
| 10:10 | 142 | 125½ | | |
| 11:10 | 142 | 125½ | | |
| 12:10am | 142 | 125½ | | |
| 7/7/83 | 1:10am | 142 | 126 | |
| | 2:26 | 142 | 126 | |
| | 3:10 | 142 | 126 | |
| | 4:10 | 142 | 126 | |
| | 5:10 | 142 | 126½ | |
| | 6:10 | 142 | 126½ | |
| | 7:10 | 142 | 126½ | |
| | 8:10 | 142 | 126½ | |
| | 9:10 | 142 | 127 | |
| | 9:41 | 139 | | |
| | | | Meter Change 4 minutes 000,000 Flow Meter | |

Well / Pump Service

Anchorage

PROJECT Equestrian Acres Subd
 ENGINEER Datum Engineers
 LOCATION Palmer Wasilla Hwy

SUBJECT WELL Lot 6
 DEPTH 166'7"
 STATIC 115

| DATE | TIME | FLOW RATE | WATER LEVEL | COMMENTS |
|---------|---------|-----------|---------------------------|---------------------------|
| 7/7/83 | 10:10am | | 127 | Fueled Generator |
| | 10:15 | | | Stopped by Datum to Repor |
| | 11:10 | | 127 | Clearing 60 |
| | 12:10pm | 140 | 127 | 20,860 Flow Meter |
| | 1:10 | 140 | 127 | 37,620 " " |
| | 2:10 | 142 | 127 | Sid Richards @ site |
| | | | | Took Meter & Drawdown |
| | | | | Readings |
| | 3:10 | 142 | 127 | 42,600 Flow Meter |
| | 4:10 | 142 | 127 | |
| | 4:50 | | | Breaker Tripped (Apparent |
| | | | | Overheat) Opened Panel |
| | | | | Doors & Breaker Front |
| | | | | Panel to Allow Add'l |
| | | | | Cooling |
| | 5:50 | 154 | 127 | Hertz up to 58 from 56 |
| 6:10 | 155 | 127½ | Volts up to 220 from 210 | |
| | | | Flow up to 154 from 142 | |
| | | | 63,840 Flow Meter | |
| | | | Flow Up/Drawdown Down due | |
| | | | to Generator | |
| | | | 66,940 Flow Meter | |
| 7:10 | 152 | 128 | 76,060 " " | |
| 8:10 | 152 | 128 | 85,150 " " | |
| | | | Fueled Generator | |
| 9:10 | 152 | 128½ | 94,240 Flow Meter | |
| 10:10 | 152 | 128½ | 103,330 " " | |
| 11:10 | 152 | 128½ | 112,430 " " | |
| 12:10am | 152 | 128½ | 121,510 " " | |
| 7/8/83 | 1:10 | 151 | 128½ | 130,560 " " |
| | 2:18 | 152 | 128½ | 140,896 " " |
| | 3:10 | 151 | 128½ | 148,710 " " |
| | 4:10 | 152 | 128½ | 157,800 " " |
| | 5:10 | 152 | 128½ | 166,880 " " |
| | 6:00 | | | Overcast 48 |
| | | | | Fueled Generator |
| | 6:10 | 152 | 128½ | 175,980 Flow Meter |
| | 7:10 | 152 | 128½ | 185,090 " " |
| | 8:10 | | | At Datum Engineers |
| | 8:s7 | 152 | 128½ | 196,700 Flow Meter |
| | | | Sid Richards @ site, Tool | |
| | | | Flow & Static, Fueled | |
| | | | Generator & Barrell | |
| | | | Going to 40% of Valve af- | |
| | | | ter 18 hrs 152GPM | |

Well / Pump Service

Anchorage

PROJECT Equestrian Acres Subd SUBJECT WELL Lot 6
 ENGINEER Datum Engineers DEPTH 166'7"
 LOCATION Palmer Wasilla Hwy STATIC 115

| DATE | TIME | FLOW RATE | WATER LEVEL | COMMENTS |
|--------|---------|-----------|--------------------------|---------------------------|
| 7/8/83 | 9:10 | 152 | 128½ | 203,270 Flow Meter |
| | 10:10 | 151 | 129 | 212,340 |
| | 11:10 | 151 | 129 | 221,350 |
| | 12:10pm | 150 | 129 | Double Check, No ADI Made |
| | 12:50 | | | Going to 40% of Valve |
| | 12:50 | 176 | 129 | After 19 hrs @ 150 + GPM |
| | 12:52 | 176 | 130 | Valve 40% |
| | 12:55 | 176 | 130 | 236,550 Flow Meter |
| | 1:00 | 176 | 130 | 237,960 " " |
| | 1:05 | 176 | 130 | 238,840 " " |
| | 1:10 | 174 | 130½ | 239,710 " " |
| | 1:15 | 176 | 130½ | 240,590 " " |
| | 1:20 | 176 | 130½ | 241,470 " " |
| | 1:25 | 174 | 130½ | 242,310 " " |
| | 1:30 | 176 | 130½ | 243,220 " " |
| | 1:40 | 175 | 130 | 244,970 " " |
| | 1:50 | 175 | 130 | 246,720 " " |
| | 2:00 | 175 | 130 | 248,470 " " |
| | 2:30 | 175 | 130 | 253,730 " " |
| | 3:00 | 175 | 130 | 258,990 " " |
| | 3:30 | 175 | 130 | 264,250 " " |
| | 4:00 | 176 | 130 | 269,530 " " |
| | 4:30 | 176 | 130 | 274,800 " " |
| | 5:00 | 176 | 130 | 280,080 " " |
| | 5:30 | 175 | 130 | 285,340 " " |
| | 6:00 | 175 | 130 | 290,600 " " |
| | 6:30 | 175 | 130½ | 295,860 " " |
| | 7:00 | 175 | 130½ | 301,130 " " |
| | 8:00 | 175 | 130½ | 311,670 " " |
| | 9:00 | 175 | 130½ | 322,210 " " |
| | 9:50 | | | Topped of Gen. Set. |
| | 10:00 | 176 | 130½ | Running best ever |
| 11:00 | 176 | 130½ | Almost 60 Hz & 240 VAC | |
| 12:00 | 176 | 130½ | 332,780 Flow Meter | |
| 7/9/83 | 1:00am | 176 | 130½ | 343,350 " " |
| | 2:10 | 176 | 130½ | 353,920 " " |
| | 3:10 | 176 | 130½ | 364,460 " " |
| | 4:10 | 176 | 130½ | 376,840 " " |
| | 5:10 | 176 | 131 | 387,430 " " |
| | 6:10 | 176 | 131 | 398,020 " " |
| | 7:10 | 176 | 131 | 408,600 " " |
| | 7:20 | | | 419,190 " " |
| | | | 429,760 " " | |
| | | | Fueled Gen Set. Noted | |
| | | | Discharge area some ero- | |
| | | | sion and standing water | |

Well / Pump Service

Anchorage

PROJECT Equestrian Acres Subd

SUBJECT WELL Lot 6

ENGINEER Datum Engineers

DEPTH 166'7"

LOCATION Palmer Wasilla Hwy

STATIC 115

| DATE | TIME | FLOW RATE | WATER LEVEL | COMMENTS |
|--------|---------|-----------|----------------------|----------------------------|
| 7/9/83 | 8:10 | 176 | 131 | 440,320 Flow Meter |
| | 9:10 | 176 | 131 | 450,870 " " |
| | 9:30 | | | Warm & Clear 60 + |
| | | | | Gen. Cycles & Volts down |
| | | | | slightly 58Hz/230 VAC |
| | 10:10 | 174 | 131 | 461,290 Flow Meter |
| | | | | Going Max. Drawdown @11:10 |
| | | | | Valve Change 100% |
| | 11:10 | 174 | 131 | 471,740 Flow Meter |
| | 11:11 | 180 | 131½ | 471,920 " " |
| | 11:12 | 180 | 131½ | 472,100 " " |
| | 11:13 | 180 | 131½ | 472,280 " " |
| | 11:14 | 180 | 131½ | 472,470 " " |
| | 11:15 | 180 | 131½ | 472,650 " " |
| | 11:20 | 182 | 131½ | 473,740 " " |
| | 11:25 | 184 | 131½ | 474,660 " " |
| | 11:30 | 182 | 131½ | 475,570 " " |
| | 11:35 | 184 | 131½ | 476,490 " " |
| | 11:40 | 182 | 131½ | 477,400 " " |
| | 11:55 | 184 | 131½ | 480,160 " " |
| | 12:10pm | 181 | 131½ | 482,870 " " |
| | 12:40 | 182 | 131½ | 488,330 " " |
| | 1:10 | 182 | 131½ | 493,800 " " |
| 2:10 | 179 | 131½ | 504,520 " " | |
| 3:10 | 183 | 132 | 515,510 " " | |
| 4:10 | 184 | 132 | 526,540 " " | |
| 5:10 | 184 | 132 | 537,580 " " | |
| | | | Pump Shut Down | |
| | | | Begin Recovery Check | |

132
- 129

Well / Pump Service

Anchorage

PROJECT Equestrian Acres Subd

SUBJECT WELL Lot 6

ENGINEER Datum Engineers

DEPTH _____

LOCATION Palmer Wasilla Hwy

STATIC _____

RECOVERY LOG

| DATE | TIME | FLOW RATE | WATER LEVEL | COMMENTS |
|--------|------|-----------|-------------|--------------------------------------------------------------------------------------|
| 7/9/83 | 5:10 | | 132 | Air Line |
| | 5:11 | | 125 | |
| | 5:12 | | 124½ | |
| | 5:13 | | 124 | Switched to Sounder (2' Difference) All Readings 8" High T.O.C. to T.O.C.P. |
| | 5:14 | | 124 | |
| | 5:15 | | 123 | |
| | 5:17 | | 121'9" | |
| | 5:18 | | 121'7" | |
| | 5:19 | | 121'5" | |
| | 5:20 | | 121'3" | |
| | 5:21 | | 121'1" | |
| | 5:22 | | 121 | |
| | 5:23 | | 120'11" | |
| | 5:24 | | 120'10" | |
| | 5:25 | | 120'9" | |
| | 5:26 | | 120'8" | |
| | 5:27 | | 120'7" | |
| | 5:28 | | 120'6" | |
| | 5:29 | | 120'5" | |
| | 5:30 | | 120'4" | |
| | 5:31 | | 120'3" | |
| | 5:32 | | 120'2" | |
| | 5:33 | | 120'1" | |
| | 5:34 | | 120'1" | |
| | 5:35 | | 120 | |
| | 5:36 | | 120 | |
| | 5:37 | | 119'11" | |
| | 5:38 | | 119'11" | |
| | 5:39 | | 119'10" | |
| | 5:40 | | 119'10" | |
| | 5:41 | | 119'9" | |
| | 5:46 | | 119'7" | |
| | 5:51 | | 119'5" | |
| 5:56 | | 119'3" | | |
| 6:01 | | 119'2" | | |
| 6:11 | | 118'11" | | |
| 6:21 | | 118'9" | | |
| 6:31 | | 118'7" | | |
| 6:41 | | 118'5" | | |
| 7:01 | | 118'3" | | |
| 7:11 | | 118'1" | | |
| 7:21 | | 118 | | |
| 7:31 | | 117'11" | | |
| 7:41 | | 118'2" | | |
| 8:11 | | 117'8" | | |
| 8:41 | | 117'6" | | |
| 9:11 | | 117'4" | | |

Well / Pump Service

Anchorage

PROJECT Equestrian Acres Subd

SUBJECT WELL Lot 6

ENGINEER Datum Engineers

DEPTH _____

LOCATION Palmer Wasilla Hwy

STATIC _____

RECOVERY LOG (cont.)

| DATE | TIME | FLOW RATE | WATER LEVEL | COMMENTS |
|---------|--------|-----------|----------------------|-----------------------------------------|
| 7/10/83 | 9:41 | | 117'3" | |
| | 10:11 | | 117'2" | |
| | 10:11 | | 117 | |
| | 1:11am | | 116'7" | |
| | 2:11 | | 116'6" | |
| | 3:11 | | 116'4" | |
| | 5:00 | | 116'2" | |
| | 7:00 | | 116 | |
| | 8:11 | | 115'11" | |
| | 4:11pm | | 115'2" | |
| | 5:11 | | 115'1.5" | |
| | 5:41 | | 115'1.5" | |
| | 6:01 | | 115'1.5" | |
| | 6:11 | | 115'1.5" | |
| | 6:41 | | 115'1.5" | |
| | 7:11 | | 115'1" | |
| | 7:41 | | 115'.5" | |
| | 7:55 | | 115'+ | |
| | 8:11 | | 115'+ | Up barely from 7:55 |
| 8:21 | | 115' | | |
| 8:41 | | 115' | Nearing equilibrium | |
| 8:51 | | 115 | Solid; seems stable | |
| 9:11 | | 115 | Test Well 20' Static | |
| 7/11/83 | 2:30pm | | 114'3" | |
| 7/12/83 | 1:30pm | | 113'11" | |
| 7/13/83 | 1:30pm | | 113'8" | |
| 7/16/83 | 1:30pm | | 113'8" | Well Fully Recovered (8" Adj = 113') |

IMPORTANT NOTE

Airline Static = 115'
Well Sounder Static 113'

Handwritten calculations:

$$\begin{array}{r} 117 \\ - 2.31 \\ \hline 114.69 \end{array}$$

$$\begin{array}{r} 115 \\ - 1.7 \\ \hline 113.3 \end{array}$$

Well / Pump Service

Anchorage

EQUIPMENT NOTES

Pump - Red Jacket, 20hp, Model 8HB- 230 Volt, 3Phase

Generator - Lister Diesel, 20KW, Lima Generator Air Cooled

Flow Meter - Badger Turbo Meter, 2", Recording Type

Water Level Gauge - U.S. Gauge, 4½", Direct Reading in Feet (2ea)

Well Sounder - Cook Well Sounder, Direct Reading in Feet, Dual Wire,
Single Probe

Flow Valve - ITT, Self Locking, 3" Butterfly Valve

Drop Pipe - 3" Galvanized Pipe (New), Schedule 40, T&C

Discharge Pipe - Goodyear PVC Coated, 3" x 250'