

P-W

Hooker et al #1
NE/4-NW/4 Sec 6-Twp 11S-R 23
Graham County No Permit

5-13

3.

County Graham

Area Bonita

Lease No. _____

Well Name Sam Hooker Etal #1 Sierra Bonita Ranch.

Location SW NE NW Sec 6 Twp 11S Range 23E Footage est. 1200 fwl 1550 fwl

Elev 4390 Gr than 4390 Spud ~1929 Completed ~1930 Total Depth 1985
Contractor: _____

Drilled by Rotary Cable Tool

| Casing Size | Depth | Cement |
|-------------|-------|--------|
| 20" | 35' | |
| 15" | 180' | |
| 1 1/2" | 380' | |
| 10" | 612' | |
| 8 1/4" | 708' | |

Production Horizon _____
Initial Production _____

REMARKS _____

Elec. Logs _____ Sample Log _____
Sample Descrip.
Applic to Plug _____ Plugging Record _____ Completion Report _____
Sample Set _____ Cores _____

Water well - accepted by _____

Bond Co. & No. _____

Bond Am't \$ _____ Cancelled _____ Date _____ Organization Report _____

Filing Receipt _____ Dated _____ Well Book _____ Plat Book _____
Loc. Plat _____ Dedication _____

API # 02-009-05019

PERMIT NUMBER none Date Issued _____

#5-12

Hooker, et al
 Graham County
 NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6 T. 11 S., R 23 E.

| Feet | Formation | Thickness |
|-------------|-------------------------------|-----------|
| 0 - 40 | Soil and Clay | 40 ft. |
| 40 - 60 | Water and gravel | 20 |
| 60 - 160 | Red clay | 100 |
| 160 - 180 | Water gravel | 20 |
| 180 - 240 | Red clay | 60 |
| 240 - 260 | Water gravel | 20 |
| 260 - 290 | Red mud | 30 |
| 290 - 300 | Sand and gravel | 10 |
| 300 - 330 | Red mud | 30 |
| 330 - 420 | Water gravel | 90 |
| 420 - 600 | Red clay with some water | 180 |
| 600 - 630 | Quick sand (160 ft. to water) | 30 |
| 630 - 650 | Red rock | 20 |
| 650 - 665 | Cavey sand | 15 |
| 665 - 675 | Red rock | 10 |
| 675 - 690 | Cavey sand | 15 |
| 690 - 1010 | Red rock | 320 |
| 1010 - 1090 | Yellow clay | 80 |
| 1090 - 1100 | Red rock | 10 |
| 1100 - 1120 | Yellow clay | 20 |
| 1120 - 1180 | Red rock | 60 |
| 1180 - 1200 | Yellow clay | 20 |
| 1200 - 1285 | Red rock | 85 |
| 1285 - 1335 | Brown sand | 50 |
| 1335 - 1380 | Grey sandy shale & clay | 45 |
| 1380 - 1420 | Red sand | 40 |
| 1420 - 1470 | Hard red rock | 50 |
| 1470 - 1490 | Sand yellow clay | 20 |
| 1490 - 1510 | Grey shale | 20 |
| 1510 - 1610 | Brown sandy shale | 100 |
| 1610 - 1985 | Brown sand | 375 |

| 35 ft. | 20 inch casing |
|--------|------------------|
| 180 | 15 |
| 380 | 12 $\frac{1}{2}$ |
| 612 | 10 |
| 708 | 8 $\frac{1}{2}$ |

Generalized logs of three large irrigation wells on Hooker ranch

| | | |
|-----------|------------------|-----|
| 0 - 15 | Soil and clay | 15 |
| 15 - 20 | Water and gravel | 5 |
| 20 - 190 | Red clay | 170 |
| 190 - 195 | Water gravel | 5 |
| 195 - 225 | Red clay | 30 |
| 225 - 230 | Water gravel | 5 |
| 230 - 250 | Red mud | 20 |

These three wells drilled by Joe Waldron, Bonita

*See original log for oil shows.
 Also letter of Gene Greenwood, 5-14-71.*

Permit

X

New copy
 2604 Graham County
 Hooker et al -
 Log Hooker Well #1

HOOKEE, ETAL #1

Elevation 4,400 ft. Graham County, Arizona

Bonita Ranch SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6, T. 11 S., R. 23 E.
 Drilled 1929 or 1930

| Feet | Formation | Thickness |
|-----------|--|-----------|
| 0-40 | Soil and Clay | 40 ft. |
| 40-60 | Water and gravel | 20 |
| 60-160 | Red clay | 100 |
| 160-180 | Water gravel | 20 |
| 180-240 | Red clay | 60 |
| 240-260 | Water gravel (oil showings) | 20 |
| 260-290 | Red mud | 30 |
| 290-300 | Sand and gravel | 10 |
| 300-330 | Red mud | 30 |
| 330-420 | Water gravel (oil showings to water 146 ft.) | 90 |
| 420-600 | Red clay with some water | 180 |
| 600-630 | Quick sand (160 ft. to water) | 30 |
| 630-650 | Red rock | 20 |
| 650-665 | Cavey sand | 15 |
| 665-675 | Red rock | 10 |
| 675-690 | Cavey sand | 15 |
| 690-1010 | Red rock | 320 |
| 1010-1090 | Yellow clay | 80 |
| 1090-1100 | Red rock | 10 |
| 1100-1120 | Yellow clay | 20 |
| 1120-1180 | Red rock | 60 |
| 1180-1200 | Yellow clay | 20 |
| 1200-1285 | Red rock | 85 |
| 1285-1335 | Brown sand (oil showings) | 50 |
| 1335-1380 | Grey sandy shale & clay | 45 |
| 1380-1420 | Red sand | 40 |
| 1420-1470 | Hard red rock | 50 |
| 1470-1490 | Sand yellow clay | 20 |
| 1490-1510 | Grey shale (good oil showing) | 20 |
| 1510-1610 | Brown sandy shale | 100 |
| 1610-1985 | Brown sand (oil & paraffine showings) | 375 |

35 ft. 20 inch casing }
 180 15 } not copy
 380 12 $\frac{1}{2}$
 612 10
 708 8 $\frac{1}{2}$

| Generalized logs of three large irrigation wells on Hooker ranch | | |
|--|------------------|-----|
| 0-15 | Soil and clay | 15 |
| 15-20 | Water and gravel | 5 |
| 20-190 | Red clay | 170 |
| 190-195 | Water gravel | 5 |
| 195-225 | Red clay | 30 |
| 225-230 | Water gravel | 5 |
| 230-250 | Red mud | 20 |

These three wells drilled by Joe Waldron, Bonita

No Permit

1604
 Elevation 4,400 ft. Graham County, Arizona
 Sec. 11, T. 1 N., R. 23 E.
 Drilled 1925 or 1930

| Feet | Formation | Thickness |
|---------|---|-----------|
| 0-15 | Soil and Clay | 15 ft. |
| 15-20 | Water and gravel | 5 |
| 20-25 | Red clay | 5 |
| 25-30 | Water gravel | 5 |
| 30-35 | Red clay | 5 |
| 35-40 | Water gravel (oil showing) | 5 |
| 40-45 | Red mud | 5 |
| 45-50 | Sand and gravel | 5 |
| 50-55 | Red mud | 5 |
| 55-60 | Water gravel (oil showing to water 150 ft.) | 5 |
| 60-65 | Red clay with some water | 5 |
| 65-70 | Quick sand (100 ft. to water) | 5 |
| 70-75 | Red rock | 5 |
| 75-80 | Grey sand | 5 |
| 80-85 | Red rock | 5 |
| 85-90 | Grey sand | 5 |
| 90-95 | Red rock | 5 |
| 95-100 | Yellow clay | 5 |
| 100-105 | Red rock | 5 |
| 105-110 | Yellow clay | 5 |
| 110-115 | Red rock | 5 |
| 115-120 | Yellow clay | 5 |
| 120-125 | Red rock | 5 |
| 125-130 | Brown sand (oil showing) | 5 |
| 130-135 | Grey sandy shale & clay | 5 |
| 135-140 | Red sand | 5 |
| 140-145 | Hard red rock | 5 |
| 145-150 | Sand yellow clay | 5 |
| 150-155 | Grey shale (good oil showing) | 5 |
| 155-160 | Brown sandy shale | 5 |
| 160-165 | Brown sand (oil & paraffin showing) | 5 |

| Feet | 2 1/2 inch casing |
|------|-------------------|
| 120 | 15 |
| 130 | 12 1/2 |
| 140 | 10 |
| 150 | 8 1/2 |

Generalized logs of three large irrigation wells on Hooker ranch

| | | |
|-------|------------------|----|
| 0-15 | Soil and clay | 15 |
| 15-20 | Water and gravel | 5 |
| 20-25 | Red clay | 5 |
| 25-30 | Water gravel | 5 |
| 30-35 | Red clay | 5 |
| 35-40 | Water gravel | 5 |
| 40-45 | Red mud | 5 |

These three wells drilled by Joe Waldron, Bonita

water in this area.

I agree with your statement that the shallow shows of oil in southeastern Arizona are mostly fictitious but some of these I know to be genuine. Specifically I refer you to the Hooker well on the San (Sierra) Bonita Ranch in southwestern Graham County, a cable tool that was drilled in 1931 to around 1900 feet. The rancher who is in his 70's now assured me that the cable tool baled oil while drilling what I would consider to be either Tertiary or Cretaceous sands and shales. The other bona fide show is a shallow well near the town of Wilcox along the railroad track that was used by the railroad to grease gear boxes in the early days. This oil would have had to have come out of the valley fill. This is the information on the Waddell and Duncan #1 McComb. I had received approximately the same information from another source and consider that the Sam Hooker well in Graham County may be a third well that penetrated Cretaceous rock in the area. (i.e. northern pt of SE AZ)

I do not as yet have Bulletin 182 by Wes Pierce and would appreciate very much a copy. I hope we can get something started in southeastern Arizona. I currently have one well on the San Bernardino Valley with 50,000 acres to be earned for the drilling of one 8,000 foot or granite test. Sun Oil Company is supplying some of the acreage plus seismic data, Amuedo and Ivey have done the geophoto work, I and others the surface and subsurface geology and Dowdle Oil Corporation is contributing 42,000 acres toward the drilling of this well. I have great hopes that we will be able to get this well drilled. Be sure to visit me if you come this way at any time.

Yours very truly,

Eugene Greenwood
Eugene Greenwood

Letter to E.A. Koester, 5-14-71

EG:jb
Enc.

6-11-23E - Graham Co.

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Yours very truly,

Eugene Greenwood
Eugene Greenwood

Letter to E.A. Kocster, 5-14-71

EG:jb
Enc.

6-11-23E - Graham Co.

Graham County Guardian and Gila Valley Farmer (Safford, Ariz.);

January 10, 1930, p. 3: "Drilling For Oil on Hooker Ranch in Graham County"
"A new oil well is being drilled on the Hooker Ranch nine miles northwest of Wilcox, according to reliable news received here.

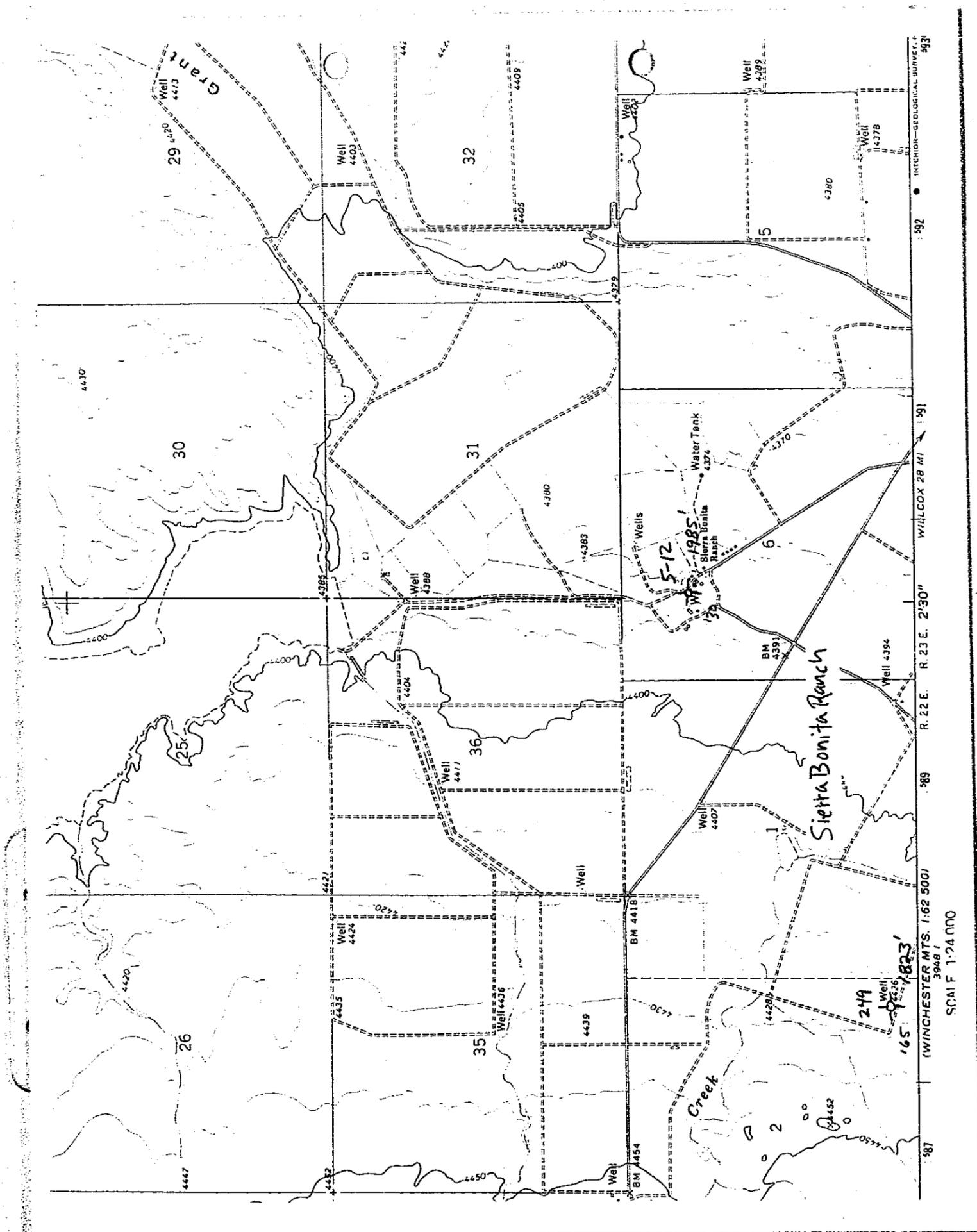
The well is being put down by the ranch management and the contract calls for a hole of 2,000 feet. 'Oil, gas or water' is said to be the object of the drilling operations. The well is now down over 1,000 feet.

J. Fred Carey, Safford, drilling contractor, who drilled the Pima oil well to 3700 feet, is the head driller in charge of operations.

Water from wells on the Hooker ranch and in the vicinity have been impregnated with oil, often making it almost impossible to drink the water, and this has led to the belief that oil exists in commercial quantities in the vicinity.

This is the second well which has been started recently in the Wilcox district, the other one being a shallow test well on the same lot in the Wilcox townsite on which is located the famous 'chicken yard well' which has already produced a considerable quantity of high grade oil."

file
5-12



HOOKER, ET AL

GRAHAM COUNTY

NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6 T. 11 S., R. 23 E.

| <u>Feet</u> | | <u>Formation</u> | <u>Thickness</u> |
|-------------|------|-------------------------------|------------------|
| 0 | 40 | Soil and clay | 40 ft. |
| 40 | 60 | Water and gravel | 20 |
| 60 | 160 | Red clay | 100 |
| 160 | 180 | Water gravel | 20 |
| 180 | 240 | Red clay | 60 |
| 240 | 260 | Water gravel | 20 |
| 260 | 290 | Red mud | 30 |
| 290 | 300 | Sand and gravel | 10 |
| 300 | 330 | Red mud | 30 |
| 330 | 420 | Water gravel | 90 |
| 420 | 600 | Red clay with some water | 180 |
| 600 | 630 | Quick sand (160 ft. to water) | 30 |
| 630 | 650 | Red rock | 20 |
| 650 | 665 | Cavey sand | 15 |
| 665 | 675 | Red rock | 10 |
| 675 | 690 | Cavey sand | 15 |
| 690 | 1010 | Red rock | 320 |
| 1010 | 1090 | Yellow clay | 80 |
| 1090 | 1100 | Red rock | 10 |
| 1100 | 1120 | Yellow clay | 20 |
| 1120 | 1180 | Red rock | 60 |
| 1180 | 1200 | Yellow clay | 20 |
| 1200 | 1285 | Red rock | 85 |
| 1285 | 1335 | Brown sand | 50 |
| 1335 | 1380 | Grey sandy shale & clay | 45 |
| 1380 | 1420 | Red sand | 40 |
| 1420 | 1470 | Hard red rock | 50 |
| 1470 | 1490 | Sand yellow clay | 20 |
| 1490 | 1510 | Grey shale | 20 |
| 1510 | 1610 | Brown sandy shale | 100 |
| 1610 | 1985 | Brown sand | 375 |

| | |
|-------|------------------|
| 35 ft | 20 inch casing |
| 180 | 15 |
| 380 | 12 $\frac{1}{2}$ |
| 612 | 10 |
| 708 | 8 $\frac{1}{2}$ |

Generalized logs of three large irrigation wells on Hooker ranch

| | | | |
|-----|-----|------------------|-----|
| 0 | 15 | Soil and clay | 15 |
| 15 | 20 | Water and gravel | 5 |
| 20 | 190 | Red clay | 170 |
| 190 | 195 | Water gravel | 5 |
| 195 | 225 | Red clay | 30 |
| 225 | 230 | Water gravel | 5 |
| 230 | 250 | Red mud | 20 |

These three wells drilled by Joe Waldron, Bonita

HOOKER, ET AL.

GRAHAM COUNTY

NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6 T. 11 S., R. 23 E.

| <u>Feet</u> | <u>Formation</u> | <u>Thickness</u> |
|-------------|-------------------------------|------------------|
| 0 | Soil and clay | 40 ft. |
| 40 | Water and gravel | 20 |
| 60 | Red clay | 100 |
| 160 | Water gravel | 20 |
| 180 | Red clay | 60 |
| 240 | Water gravel | 20 |
| 260 | Red mud | 30 |
| 290 | Sand and gravel | 10 |
| 300 | Red mud | 30 |
| 330 | Water gravel | 90 |
| 420 | Red clay with some water | 180 |
| 600 | Quick sand (160 ft. to water) | 30 |
| 630 | Red rock | 20 |
| 650 | Cavey sand | 15 |
| 665 | Red rock | 10 |
| 675 | Cavey sand | 15 |
| 690 | Red rock | 320 |
| 1010 | Yellow clay | 80 |
| 1090 | Red rock | 10 |
| 1100 | Yellow clay | 20 |
| 1120 | Red rock | 60 |
| 1180 | Yellow clay | 20 |
| 1200 | Red rock | 85 |
| 1285 | Brown sand | 50 |
| 1335 | Grey sandy shale & clay | 45 |
| 1380 | Red sand | 40 |
| 1420 | Hard red rock | 50 |
| 1470 | Sand yellow clay | 20 |
| 1490 | Grey shale | 20 |
| 1510 | Brown sandy shale | 100 |
| 1610 | Brown sand | 375 |

| 35 ft 20 inch casing | |
|----------------------|------------------|
| 180 | 15 |
| 380 | 12 $\frac{1}{2}$ |
| 612 | 10 |
| 708 | 8 $\frac{1}{2}$ |

Generalized logs of three large irrigation wells on Hooker ranch

| | | | |
|-----|-----|------------------|-----|
| 0 | 15 | Soil and clay | 15 |
| 15 | 20 | Water and gravel | 5 |
| 20 | 190 | Red clay | 170 |
| 190 | 195 | Water gravel | 5 |
| 195 | 225 | Red clay | 30 |
| 225 | 230 | Water gravel | 5 |
| 230 | 250 | Red mud | 20 |

These three wells drilled by Joe Waldron, Bonita