6

ROSCOE MOSS COMPANY

4360 WORTH STREET
LOS ANGELES, CAL.

MAR 22 1939

WELL CONTRACTORS — RENTAL TOOLS

Log of Well No. 6 Drilled for Cortaro Farms Co.

Of Marana, Arizona.

Exact Location 1 Mile South of Marana, Arizona.

Started Work February 7, 1939.

Completed Work March 13, 1939.

Total depth 510 Size of shoe 20 x 16 x 1¼"

510 ft. of 20 inch 10 gauge casing used and left in Well

Type of Perforator used Mills

Perforated 498 ft. to 500 ft. 11 Holes per 12 inches

Diameter of Perforations ¾ inches

Length of Perforations 4½ "

Depth at which water was first found 150 ft.

Standing level before perforating 157 "

Standing level after perforating 157 "

Make diagram of perforation in square, showing dimensions.

Note below your observation of any change in water level while drilling None

Water level when first started Test ft.

Draw down from standing level "

No. of gallons per minute pumped when Test first started

No. of gallons per minute pumped when Test completed

Draw down at completion of Test ft.

Formation: Mention size of water gravel—

0	ft. to	3	Soil
3	" "	9	Sand
9	" "	20	Clay
20	" "	150	Gravel.
150	" "	180	Boulders.
180	" "	190	Clay.
190	" "	250	Gravel 2".
250	" "	300	Clay & gravel.
300	" "	350	Clay with streaks of gravel.
350	" "	380	Gravel2".
380	" "	384	Clay & gravel.
384	" "	388	Sand & gravel 2".
388	" "	420	Gravel & clay.
420	" "	428	Clay & gravel.
428	" "	455	Sand & gravel "2".
455	" "	487	Clay & gravel.
487	" "	492	Sand & gravel 2".
492	" "	510	Cemented sand & gravel.

PICO 118

Tracing

Plotted Mar. 10

F-2475

CLAMPITT & MOSS

959 EAST 4TH STREET
LOS ANGELES, CAL.

DEEP WELL CONTRACTORS — RENTAL TOOLS — DRILLING SUPPLIES

Log of Well No. J 8. Drilled for Western Machinery Co. for E. R. Pont Co. at Tucson, Arizona.

Started work March, 13, 1919.

Completed work May, 13, 1919.

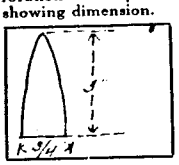
Total depth 261 ft.

137 ft. of	24 inch	10 gauge casing used	137' left in Well
261 "	16 "	10 " " " "	129' " " "
"	"	" " " "	" " "
"	"	" " " "	" " "
"	"	" " " "	" " "
"	"	" " " "	" " "

Type of Perforator used Mills

Perforated 236 ft. to	210 ft.	24 Holes per ft.
" 210 "	186 "	6 " "
" 186 "	170 "	24 " "
" 170 "	160 "	6 " "
" 160 "	137 "	24 " "
" 137 "	60 "	30 " "
" "	"	" "
" "	"	" "
" "	"	" "
" "	"	" "

Make diagram of perforation in square, showing dimension.



Diameter of Perforations 3/4 inches

Length of Perforations 5 inches

Depth at which water was first found 41 ft.

Standing level before perforating 41 ft.

Standing level after perforating 58 ft.

Note below your observation of any change in water level while Drilling None

Water level when first started Test ft.

Draw down from standing level ft.

No. of gallons per minute pumped when Test first started

No. of gallons per minute pumped when Test completed

Draw down at completion of Test ft.

Formation: Mention size of water gravel—

0 ft. to	21 ft.	Fine sand
21 "	35 "	Large boulders
35 "	41 "	Boulders and clay
41 "	44 "	Sand and gravel
44 "	52 "	Clay and boulders
52 "	55 "	Sand and gravel
55 "	68 "	Clay and gravel
68 "	135 "	Gravel and boulders
135 "	143 "	Hard clay and gravel
143 "	148 "	Sand and gravel
148 "	150 "	Hard clay
150 "	160 "	Sand and gravel
160 "	178 "	Clay and gravel
178 "	186 "	Water gravel
186 "	210 "	Clay and rocks
210 "	236 "	Sand and gravel
236 "	261 "	Cemented gravel and sand
"	"	
"	"	

If reducing strings of casing were cut off, state how cut Ripper

Depth from surface cut 136 ft.

Size of casing cut 16 in.

Lap in larger casing 5 ft.

Was adapter or cement used? Adapter

Give any additional data which may be of future value

PICO 118

Tracing

F-2475

16D1

CLAMPITT & MOSS

959 EAST 4TH STREET
LOS ANGELES, CAL.

DEEP WELL CONTRACTORS — RENTAL TOOLS — DRILLING SUPPLIES

Log of Well No. 16 C-3 Drilled for E. R. Post Co.
of Tucson, Arizona.

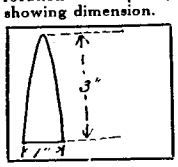
Started work Dec. 10th, 1920.
Completed work Jan. 15th, 1920.
Total depth 340 ft.

72	ft. of	24	inch	10	lbs. per gauge casing used	72'	left in Well
309	"	16	"	10	" " " "	242'	" " "
	"		"		" " " "		" " "
	"		"		" " " "		" " "
	"		"		" " " "		" " "
	"		"		" " " "		" " "

Type of Perforator used Mills

Perforated	285	ft. to	270	ft	24	Holes per ft.
"	270	"	200	"	12	" "
"	200	"	180	"	24	" "
"	180	"	130	"	12	" "
"	130	"	72	"	24	" "
"	60	"	50	"	30	" "
"		"		"		" "
"		"		"		" "
"		"		"		" "
"		"		"		" "

Make diagram of perforation in square, showing dimension.



Diameter of Perforations 1 inches
Length of Perforations 3 inches
Depth at which water was first found 25 ft.
Standing level before perforating 25 ft.
Standing level after perforating 25 ft.

Note below your observation of any change in water level while Drilling None

Water level when first started Test ft.
Draw down from standing level ft.
No. of gallons per minute pumped when Test first started
No. of gallons per minute pumped when Test completed
Draw down at completion of Test ft.

Formation: Mention size of water gravel—

0	ft. to	25	ft.	Sand, gravel and boulders
25	"	35	"	Gravel
35	"	50	"	Mixed clay and gravel
50	"	60	"	Gravel and boulders
60	"	75	"	Clay with some gravel
75	"	130	"	Gravel and boulders
130	"	180	"	Clay and some gravel
180	"	200	"	Sand and gravel
200	"	270	"	Hard cemented sand and clay
270	"	285	"	Sand and gravel
285	"	340	"	Cemented gravel and clay

If reducing strings of casing were cut off, state how cut Ripper
Depth from surface cut 67 ft.
Size of casing cut 16 in.
Lap in larger casing 5 ft.
Was adapter or cement used? Adapter
Give any additional data which may be of future value

FORM W-1 2M JAHN-TYLER

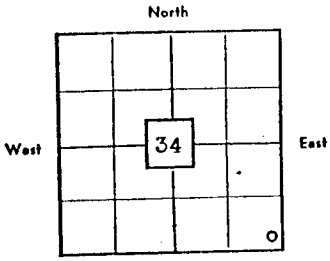
ORIGINAL
(For State Land Dept.)

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

NOTICE OF INTENTION TO DRILL WELL

This notice is required under the provisions of Section 6, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session, 1945, by any person proposing to drill an irrigation or drainage well having a capacity of more than one hundred gallons per minute.

LOCATION OF PROPOSED WELL



(Indicate by Circle)

1. Twp. 11S
2. Rge. 11E
3. Section 34
4. SE ¼ SE ¼ SE ¼
(10-acre subdivision)

INSTRUCTIONS

Fill out all three copies and mail to Water Division, State Land Department, Phoenix, Arizona.

Duplicate and triplicate will be returned to landowner or lessee, the duplicate to be retained by landowner or lessee, the triplicate to be given to well-driller before drilling is started.

DESCRIPTION OF PROPOSED WELL

5. Diameter 20 in.
6. Estimated depth 500 ft.
7. Type of casing Lapweld
8. Estimated depth to water 200 ft.
9. Proposed use Irrigation
10. Drilling will start about _____ Month _____ Year
11. Driller A.A. McDaniel
Name
Route 5, Box 19 Tucson
Address
12. Water will be applied to use about
_____ Month _____ Year

20. This notice given by
A.A. McDANIEL
Name
Route 5, Box 19 Tucson
Address

PLACE OF PROPOSED USE

If well is part of irrigation system of Irrigation District, Association or Company, give only name of project.

13. Twp. 11S
14. Rge. 11E
15. Section 34
16. ~~NE~~ SE ¼
Legal Subdivision
17. Acres 160
18. Owner Dale Gladden
Name (or Project)
19. Marana, Arizona
Address

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 10/22/51 By kb
Filed 10/22/51 By kb
Duplicate & Triplicate Mailed 10/22/51 By kb
File Number (D-11-11)34 ddd

or
Manager's Name _____

Address

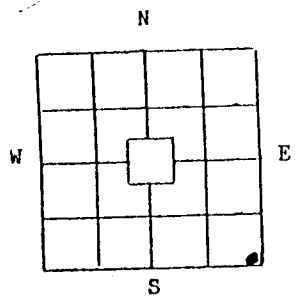
Date April 30 1953

Pasted

Location of Well

Ground Water Division
Phoenix, Arizona

STATE LAND DEPARTMENT



(Indicate well by circle in above Section)

IRRIGATION WELL DISCHARGE DATA

MAY 5 11 44 AM 1953

Owner Dale Gladden

Location of Well:

SE ¼ SE ¼ SE ¼, Sec. 34, Twp. 11S, Rge. 11E

1. Well discharge 2700 gal. per min. estimate Latest date computed April 1953

2. Method of discharge measurement estimate weir, orifice, current meter, etc.

3. Drawdown 21 ft.

4. Annual discharge in acre-feet — Year

or

Annual number of hours pumped — Year

5. Lands irrigated by well:

Twp. 11S, Rge. 11E, Sec. 34 S½, S½ Sec 34 legal subdivision 320 acres

6. Kind of pump now used [illegible] turbine, centrifugal, etc.

7. Kind of power electric electric, natural gas, etc. H. P. rating of motor 2000

I hereby certify that all of the above statements are true to the best of my knowledge and belief.

Owner's Name Dale Gladden
or
Lessee's Name
or
Manager's Name

[illegible]
Address

Date April 30 1953

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	4	Soil
4	7	Sand
7	35	Cemented gravel
35	65	Boulders & gravel
65	235	Cemented gravel
235	360	Layers of shale & gravel & water
360	370	Hard conglomerate
370	405	Coarse gravel & water
405	415	Conglomerate
415	485	Layers of shale, gravel & water
485	492	Hard conglomerate

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller A. A. McDaniel
Name

Route 5, Box 19 Tucson, Arizona
Address

Date March 17, 1951

RECEIVED
OCT 22 1951
STATE LAND DEPT.
OF ARIZONA

FORM W-3—2M—3-50—8 P.CO.

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual, firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or fail to cooperate with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a misdemeanor and shall be fined a sum not exceeding One Hundred Dollars."

1. OWNER DALE GLADDEN
   MARANA, ARIZONA
   Name
   Address
2. Lessee or Operator
   Name
   Address
3. DRILLER A.A. McDaniel
   Route 5, Box 19 Tucson, Arizona
   Name
   Address
4. Location of well: Twp. 11S Rge. 11E Section 34 SE ¼ SE ¼ SE ¼
   10-acre subdivision
5. Intention to Drill File No. [illegible]

DESCRIPTION OF WELL

6. Total depth of hole 492 ft.
7. Type of casing Lapweld
8. Diameter and length of casing 20 in. from 0 to 492, ... in. from ..... to ....., ... in. from ..... to .....
9. Method of sealing at reduction points .....
10. Perforated from 215 to 490, from ..... to ....., from ..... to ....., from ..... to .....
11. Size of cuts 1/2" X 4" Number cuts per foot 10
12. If screen was installed: Length ..... ft. Diam. ..... in. Type .....
13. Method of construction Drilled
    drilled, dug, driven, bored, jetted, etc.
14. Date completed March 17 1951
    Month Year
15. Depth to water 213 ft.
    If flowing well, so state.
16. Describe point from which depth measurements were made, and give sea-level elevation if available
    Ground level
17. If flowing well, state method of flow regulation .....

8. REMARKS: 2700 GPM

(D-11-11)34 ddd

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 10/22/51 by kb
Filed 10/26/51 by kb
File No. (D-11-11)34 ddd

(Well Log to Appear on Reverse Side)

CORTARO FARMS COMPANY

WELL AND EQUIPMENT RECORD

Well No. 22-P

Location: Section 22 Township 12 S. Range 12 E

Date Drilled April 20, 1924 Casing 301' 18" 10 Ga. Stovepipe

Perforations 36' To 300' 20 Holes per Ft. 3/4" x 3" Mills Knife

Capacity _____ Draw Down _____ S. W. S. _____

LOG

From	To	Material	From	To	Material
0	20	Soil	190	260	Clay - Sand & Rocks
20	32	Adobe	260	284	Clay & Gravel
32	42	Sand - Gravel - Bldrs	284	285	Sand
42	43	Clay & Gravel - Hard	285	305	Sand - Gravel Clay
45	55	Sand - Gravel - Clay	305	316.	Conglomerate
55	80	Clay			
50	115	Sand - Gravel - Bldrs			
115	180	Clay Caliche			
180	185	Cemented Gravel			
185	190	Sand & Clay			

MOTOR

H. P. 50 Make U.S Type _____

R. P. M. 1200 Volts 440 Phase 3 Serial No. 286561

Control Mongerson Relay Auto Relay Setting _____

COLUMN

Driving Head Make Wintroath Type _____

Column Size 155' 10" Std. (110') Oil Tube 2 1/2" Shaft 1 1/2"

Suction Size 10" Std Strainer Greene

BOWLS

Make Wintroath Size 14" Stages 3

Vertical Adjustment _____

Depth to Bottom of Bowls from top of Casing (115') 135'

Air Line Length 125' 145' Date Installed 1942

MAINTENANCE NOTES

All Equipment New in 1942

20' Column Extension Added June 6, 1947

7-28-57 - Moved pump from 27-O And Installed in this well

New Set Bowls Installed - Wintroath 17-H-135 - 1955

Wood lined oil tube installed 1961 - 155'

FORM NO. BD 100-44

FRANK I. OWENBY, Drilling Contractor
2407 W. Sunset Road
Tucson, Arizona 85704
887-8010

September 27, 1979

Cortaro-Marana Irriagation District
1386-B Sandario Road
Marana, AZ 85238

Replacement of well #P-22
Started well 6-5-79 Completed well 9-24-79

0-5	Sandy top soil
5-20	Dark brown clay, boulders
20-34	Light brown clay, boulders
34-41	Sand, gravel and boulders
41-67	Light grey clay, sand and gravel
67-79	Dark brown clay, boulders
79-94	Light pink clay, sand, gravel and boulders
94-130	Brown clay, course sand and gravel
130-133	Light grey clay, course sand and gravel
133-155	Brown clay, fine sand and gravel
155-194	Light brown clay, brown clay and large boulders
194-225	Grey clay, sand and gravel
225-270	Light pink clay, multi colored course sand and gravel
270-318	Brown clay, multi colored course sand and gravel
318-340	Gravel and boulders
340-357	Brown clay, course multi colored gravel
357-369	Brown clay, fine sand and gravel
369-415	Light brown clay, multi colored course sand and gravel
415-416	Dark brown clay, sand and gravel
416-446	Sticky red clay, some fine gravel
446-458	Sticky red clay no gravel (boot on bit)
458-488	Brown sticky clay
483-533	Reddish brown clay, no gravel (boots on bit)
533-563	Brown clay no gravel some water
563-594	Brown clay , some fine sand
594-652	Brown clay, with gyp, some mica
652-688	Reddish brown clay, gyp and mica
688-695	Light brown clay, some fine sand
695-710	Light grey clay, no sand, water fallin well
710-735	Light brown clay, with gyp and mica
735-772	Brown clay, large amounts of gyp
772-816	Reddish brown clay, large amount of gyp, water bailing down to 610 ft. lots of brown shale
816-855	Brown clay, brittle and hard boots sticking in shoe
855-898	Brown clay, no gyp. hard, no water at 670 ft.
898-948	Brown clay, gyp, hard streaks to 4 ft. thick
948-1003	Brown clay, gyp and mica large chunks
1003-1033	Brown clay gyp and mica shale dry.