

Arizona Oil Explor. Boyce #1
SE/4-SE/4 Sec22-Twp19S-R17E 10-21
Pima County No Permit

P-W

10-21
16

County Pima

Area Sonoita

Lease No. _____

Well Name Arizona Oil Exploration Boyce #1 *(Name spelling was Boyce see correspondence)*

Location SE SE Sec 22 Twp 19S Range 17E Footage 0000 fsl 1265 fcl

Elev 4500± Gr Spud KB Date 1942 Complete 1942 Total 2891
Abandon prior to Sept 1942 Approx. Cost \$ _____

Contractor: _____

Drilled by Rotary _____
Cable Tool _____

Casing Size	Depth	Cement	Production Horizon

Initial Production D & A

REMARKS: Tertiary Valley fill to total depth.

Elec. Logs _____ Sample Log _____
Applic _____ Plugging _____ Completion _____ Sample Descript 71659
to Plub _____ Record _____ 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 _____

PERMIT NO. None Date Issued _____

10-21

Pima

ARIZONA OIL & EXPLORATION CO. BOYCE #1

On Hummel Ranch in Empire Valley
SE $\frac{1}{4}$ sec 22~~7~~? T19S R17E

Drilled by Roy W. Schenk, Phoenix
Ben Case, California
R.L. Jones, Calif., prior to Sept. 1942

0-1700 Drilled by other parties, no log kept
1700-2991, Tertiary valley fill to full depth.

Notes from U.S.G.S. Ground Water Division Office, Tucson, Arizona

No permit

Pima

ARIZONA OIL & GAS EXPLORATION CO. BOYCE #1

On Hummel Ranch in Empire Valley
SE 1/4 sec 22 T19S R17E

Drilled by Roy W. Schenck, Phoenix
Ben Case, California
R.L. Jones, Calif., prior to Sept. 1942

0-1700 Drilled by other parties, no log kept
1700-2991, Tertiary valley fill to full depth.

Notes from U.S.G.S. Ground Water Division Office, Tucson, Arizona

the permit

ARIZONA OIL EXPLORATION CO. BOYCE #1

On Hummel Ranch in Empire Valley
SE $\frac{1}{4}$, Section 22, 19-S 17-E
Pima County, Arizona

Drilled by Roy W. Schenck, Phoenix

Ben Case, California
R. L. Jones, California, Prior to Sept. 1942

0 - 1700 Drilled by other parties, no log kept
1700 - 2991 Tertiary Valley fill to full depth.

Notes from U.S.G.S. Ground Water Division Office, Tucson, Arizona.

Arizona Expl. Boyce #1-Sonoita Area
(Hummel Ranch Well)
By L. A. Heindl

Core sample unknown depth

- #1 Rhyolite? Rhyolite Tuff? Some subangular?, quartz grains. Light reaction to HCl
- #2 45% medium gray aphanitic ground mass.
45% milk white feldspar phenocrysts.
5% Vitreous quartz (light reaction to HCl)
5% Biotite
Dacite porphory?
- #3 45% medium gray aphanitic groundmass.
40% milkwhite feldspar phenocrysts.
10% biotite.
5% quartz
Dacite porphory?
- #4 60% dull pink aphanitic groundmass
30% milkwhite feldspar phenocrysts.
5% Biotite
5% quartz
Dacite porphory?
- #5 80% white sugary groundmass
10% biotite-badly
5% weathered feldspars.
5% vitreous quartz
Rhyolite
- #6 90% light gray sugary groundmass
5% weathered feldspar
3% biotite
2% vitreous quartz
Rhyolite
- #7 Felsite
- #8 95% very light gray groundmass
3% weathered biotite
2% quartz phenocrysts
Rhyolite
- #10 Coarse tuff

Arizona Oil Exploration Co. Boyce #1,
SE $\frac{1}{4}$, Section 22, 19-S 17-E
Pima County, Arizona

- #11 Siliceous tuff?
- #12 Same as #11. Slight indication of bedding?
Dipping 45°.
- #13 Same as #11
- Reported from 1790' Rhyolite or dacite porphory
Sample #14 collected by Jack Sprung of Sonoita
shortly after rotary rig entered hole-at 1700'.
He reports this sample came from first core and
coring was begun immediately upon leaving valley
fill and entering compacted "sediments".

ARIZONA EXPL. BOYCE #1-Sonoita, Area
(Hummer Ranch Well)
By L. A. Heindl

Core sample unknown depth

- #1 Rhyolite? Rhyolite tuff? Some subangular?, quartz grains. Light reaction to HCl.
- #2 45% medium gray aphanitic ground mass.
45% milk white feldspar phenocrysts.
5% vitreous quartz (light reaction to HCl).
5% biotite.
Dacite porphory?
- #3 45% medium gray aphanitic groundmass.
40% milkwhite feldspar phenocrysts.
10% biotite.
5% quartz.
Dacite porphory?
- #4 60% dull pink aphanitic groundmass.
30% milkwhite feldspar phenocrysts.
5% biotite.
5% quartz.
Dacite porphory?
- #5 80% white sugary groundmass.
10% biotite-badly weathered.
5% weathered feldspars.
5% vitreous quartz.
Rhyolite.
- #6 90% light gray sugary groundmass.
5% weathered feldspars.
3% biotite.
2% vitreous quartz.
Rhyolite.
- #7 Felsite.
- #8 95% very light gray groundmass.
3% weathered biotite.
2% quartz phenocrysts.
Rhyolite.
- #9 Breccia.
- #10 Coarse tuff.
- #11 Siliceous tuff?
- #12 Same as #11. Slight indication of bedding?
Dipping 45°

No permit

ARIZONA REPL. ROYCE #1-Sonoita Area-Cont.

#13

Same as #11.

#14

Reported from 1790'. Rhyolite or dacite porphory.
Sample #14 collected by Jack Sprung of Sonoita shortly
after rotary rig entered hole-at 1700'. He reports
this sample came from first core and coring was begun
immediately upon leaving valley fill and entering
compacted "sediments".

No permit

DOUGLAS MARCELL
ENGINEER AND GEOLOGIST
1226 TRANSAMERICA BLDG.
649 S. OLIVE ST.
LOS ANGELES 14, CALIF.

April 11, 1951

Mr. L. A. Heindl, Geologist,
State Land Department
Phoenix, Arizona

Dear Sir:

Mr. Frank Elliott of Yuma has forwarded to me your
letter of March 24th regarding the electric logs. *9-205-16e*

I am happy to enclose photostatic copies of both
wells for your records. The Larimore copy is poor
due to a faded original, however, the curves are
readable enough for distinguishing formations and
may be of some use to you.

Some time when in Phoenix, I should like to stop
in and talk with you on various matters of geology
in the state.

Yours very truly,

Douglas Marcell
DOUGLAS MARCELL

DM:bc

Enc.

14 March 1951

Mr. Frank Elliott
Yuma, Arizona

Dear Mr. Elliott:-

Mr. Earl T. Hastings, Director, Securities Division Arizona Corporation Commission, has just referred to me a copy of a report by Mr. Douglas Marcell, engineer and geologist, of Arcadia, California on a portion of the area in T 18 S, R 18 E, Pima County, Arizona.

Within his report, Mr. Marcell mentioned that he had copies of electric logs of both the Arizona Exploration and Larimore wells. This office has never been able to locate these logs for their files and we would very much appreciate your assistance in obtaining copies for us. Any costs of reproduction should be billed to me directly.

Mr. Hastings has outlined your project to me and as this area has long been considered one of the best oil and gas possibilities in southeastern Arizona, I wish you every success.

Very truly yours,

L. A. Beindel

September 7, 1949

Mr. H. I. Morse
125 N. 2nd Avenue
Phoenix, Arizona

Dear Mr. Morse:

Our office has been informed that you are in possession of a copy of the Schlumberger log of the Arizona Exploration Company well drilled in Township 19 South, Range 17 East in the Sonoita Basin. This office is very anxious to complete its files as far as possible on the exploratory oil wells of this State, and we would very much appreciate a copy for this purpose.

If you have only one copy available, we would appreciate the privilege of borrowing your copy and reproducing it.

Thank you for your cooperation in this matter.

Very truly yours,

L. A. Heindl
Geologist

LAH:kb

No permit

Chiricahua Ranches

A LIMITED PARTNERSHIP

75 Calle Primorosa

Tucson, Arizona

GENERAL PARTNERS
HENRY G. BOICE
FRANK S. BOICE
CHARLES G. BOICE

RANCHES
ARIVACA, ARIZ.
SONOITA, ARIZ.

Sonoita, Arizona
4/16/49

L. A. Heindl, Geologist
State Land Department
Phoenix, Arizona

Dear Mr. Heindl:-

This will acknowledge receipt of your letter
of March 23, 1949.

I know nothing of the disposition of sample
cuttings at Arizona Exploration Boyce No. One. I didn't
know that there had ever been any at the well.

I, also, did not know that the Department
regulations require that sample cuttings be furnished
the Department on deep well tests. In any future tests
we will keep this in mind.

Very truly yours

Chiricahua Ranches

by Frank S. Boice

FSB.

RECEIVED
APR 19 1949

STATE LAND DEPT.
OF ARIZONA

The permit

March 23, 1949

Chiricahua Cattle Company
Sonoita, Arizona

Gentlemen:

The State Land Department is collecting all existing information regarding deep well tests drilled in the state, and we have been informed that at a very recent date samples of the Arizona Exploration Boyce No. One Well were recently in existence at the rig.

At a recent visit to the well a few rotted sample bags were found but not sufficient to account for the number of original samples that had existed. We would greatly appreciate any information that you might have regarding the disposition of these samples.

State regulations require that cuttings of the well samples be turned over to the State Land Department, and if the samples are still in existence, we would very much like to have the cuttings for our sample library.

Thanking you very much for your cooperation in this matter,

Very truly yours,

L. A. REINDE
GEOLOGIST

LAH:d

No permit