

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner HOWARD NEEDLES TAMMEN & BERDENDOFF
Name
9200 WARD PARKWAY KANSAS CITY MISSOURI 64141
Address

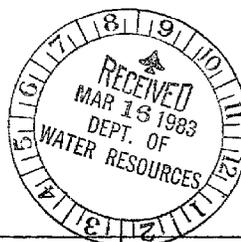
2. Lessee or Operator _____
Name

Address

3. Driller Sergent, Hauskins & Beckwith - Ralph E. Weeks
Name
3940 West Clarendon Avenue, Phoenix, Arizona 85019
Address

4. Location of well: T1N, R3E, Sec. 7; SE 1/4, NW 1/4, SW 1/4

5. Permit No. 319
(if issued)



DESCRIPTION OF WELL

6. Total depth of hole 101 ft.

7. Type of Casing Steel & PVC

8. Diameter and length of casing 4 in. from 0 to 20', 2 in from 0 to 101'.

9. Method of sealing at reduction points Steel surface casing grouted

10. Perforated from 71' to 101', from _____ to _____, from _____ to _____

11. Size of cuts 0.2' long, 0.03" wide Number of cuts per foot 2

12. If screen was installed: Length N/A ft. Diam _____ in. Type _____

13. Method of construction Auger & Air Rotary
drilled, dug, driven, bored, jetted, etc.

14. Date started 1 28 83
Month day year

15. Date completed 1 28 83
Month day year

16. Depth to water 65.6 ft. (If flowing well, so state.)

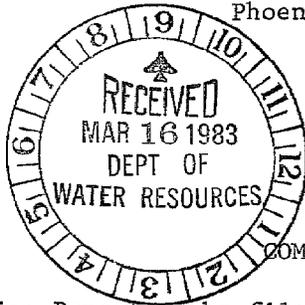
17. Describe point from which depth measurements were made, and give sea-level elevation if available. Ground surface elevation = 1065.9'

18. If flowing well, state method of flow regulation _____

19. REMARKS: Surface casing is grouted
and extends 1.3 feet above ground
surface. PVC pipe extends 1.2 feet
above ground. Backfilled with
sand and gravel below surface
grout.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-504687
Received _____ By _____
Entered 3-16-83 By _____
File No. A(1-3)7cad

MICROFILMED



Registration No. 55-504687
Owner of _____
Well Site H NEEDLES TAMMEN&BERGENDOFF
File No. A(1-3)7cad

COMPLETION REPORT

1. Completion Report to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.

LOCATION OF THE WELL

T1N, R3E, Sec. 7; SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$.

Date Well Completed 1-28-83 Depth of Well 101'

1. Well Test:
Test Pumping Capacity Not Tested Date Well Tested _____
(Gal. per min.)

Method of Discharge Measurement _____
(weir, orifice, current meter, etc.)

Static Groundwater Level _____ ft. Drawdown _____ ft.
Total Pumping Lift _____ ft. Drawdown _____ lbs.
(Flowing Well)

2. Equipment Installed:

Kind of Pump None
(turbine, centrifugal, etc.)

Kind of Power _____ H.P. Rating of Motor _____
(Elec., Nat. Gas, Etc.)

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

REW
Signature
3940 West Clarendon Avenue
Address

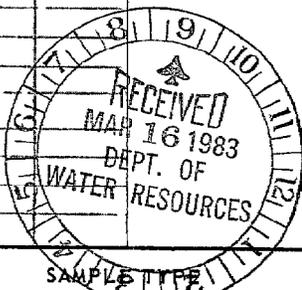
March 14, 1983
Date

Phoenix Arizona 85019
City State Zip

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blows per foot 140 lb. 30" free-fall drop hammer	Dry Density Lbs per cu. ft.	Moisture Content Per Cent of Dry Wt.	Unified Soil Classification
0			X	S	12			
5			X	S	21			CL
10			X	S	42			GC
15			X	S	23			SP
20			X	S	72			
25			X	A				
30			X	A				
35			X	A				GP
40			X	A				
45								
50								

RIG TYPE GME-75
 BORING TYPE 6 1/2" HSA & 6" ODEX
 SURFACE ELEV. 1065.9'
 DATUM City of Phoenix

REMARKS	VISUAL CLASSIFICATION
very moist to moist moderately firm to firm	SILTY CLAY, medium plasticity, dark brown note: weakly lime cemented below 3'
moist very firm	CLAYEY SAND & GRAVEL, occasional cobbles, predominantly fine to medium grained sand, well graded gravel, subrounded to rounded, weakly lime cemented, low to medium plasticity, brown
moist to slightly moist medium dense	SAND, considerable gravel, trace of cobbles, predominantly medium to coarse grained sand, predominantly fine grained gravel, subrounded to rounded, nonplastic, brown
slightly moist to moist to saturated below 70' very dense to dense to very dense	RIVER-RUN (SGC) SAND, GRAVEL & COBBLES, poorly graded, subrounded to rounded, nonplastic, light grayish-brown to brown note: lime cemented at 25', sand lens at 26' to 33'



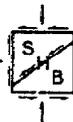
MICROFILMED

REW

GROUND WATER

DEPTH	HOUR	DATE
65.6'	4:15p	1-28
64.2'	2:15p	2-8

SAMPLE TYPE
 A - Auger cuttings. B - Block sample
 S - 2" O.D. 1.38" I.D. tube sample.
 U - 3" O.D. 2.42" I.D. tube sample.
 T - 3" O.D. thin walled Shelby tube.

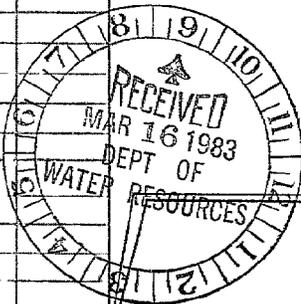


SERGEANT, HAUSKINS & BECKWITH
 CONSULTING GEOTECHNICAL ENGINEERS
 PHOENIX • ALBUQUERQUE • SANTA FE • SALT LAKE CITY

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blows per foot 140 lb. 30" free-fall drop hammer	Dry Density Lbs. per cu. ft.	Moisture Content Per Cent of Dry Wt.	Unified Soil Classification
50								
55			A					
60			A					
65			A					
70			A					
75								GP
80			A					
85			A					
90			A					
95			A					
100								

RIG TYPE CME-75
 BORING TYPE 6 1/2" HSA & 6" ODEX
 SURFACE ELEV. 1065.9'
 DATUM City of Phoenix

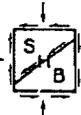
REMARKS	VISUAL CLASSIFICATION
	note: clayey sand gravel lens from 66' to 68' note: trace of silt from 68' to 70'
	MICROFILMED
	<i>RE W</i>



HSA refused at 24'
 Began ODEX at 24'
 Stopped ODEX at 101'

DEPTH	HOUR	DATE

SAMPLE TYPE
 A - Auger cuttings. B - Block sample
 S - 2" O.D. 1.38" I.D. tube sample.
 U - 3" O.D. 2.42" I.D. tube sample.
 T - 3" O.D. thin walled Shelby tube.



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 CONSULTING GEOTECHNICAL ENGINEERS
 PHOENIX • ALBUQUERQUE • SANTA FE • SALT LAKE CITY

ARIZONA DEPARTMENT OF WATER RESOURCES
Operations Division
15 South 15th Avenue
Phoenix, Arizona 85007

04

CHANGE OF WELL INFORMATION

Well Reg. No. 504687

File (location) No. A(1-3) 7CAD ^{SEP} 0 1990

I/We request the following well information be changed:

Date: _____, 19 _____

Signature of current Well Owner

(DO NOT CUT THIS FORM IN HALF)

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, THOMAS R. WARNE, state that I am ~~(no longer)~~ the (new)
(please print)
owner of the well described below:

Township 1N Range 3E Section 7; SE 1/4 NE 1/4 SW 1/4

Well Registration No. 55-504687 File (location) No. A01003007CAD

Tammen & Bergendoff
Previous Owner

ADOT
PRINT New Owner's Name

9200 Ward Parkway
Address

[Signature]
Signature of New Owner

Kansas City, MO 64141
City State Zip

2140 West Hilton Avenue
Address

DATED: _____

Phoenix AZ 85009
City State Zip

NOTE: A.R.S. §45-593.C. requires that the Department be notified of change of well ownership and that the well owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty (30) days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER, PRIOR TO DRILLING THE WELL, IN ADDITION TO AMENDING INFORMATION PREVIOUSLY FILED.

MICROFILMED * *

ENTERED OCT 12 1990

State of Arizona
DEPARTMENT OF WATER RESOURCES

99 E. Virginia Avenue, Phoenix, Arizona 85004



August 31, 1983

BRUCE BABBITT, Governor
WESLEY E. STEINER, Director

Charles A. Peterson
Bud's Oil Service, Inc.
1340 West Lincoln Street
Phoenix, Arizona 85007

Dear Mr. Peterson:

This is to respond to your letter of August 29, 1983, relating to wells located in the vicinity of your facility at 15th Avenue and Lincoln Street.

Your letter identifies your facility as located in the SE, NE, SW of Section 7 but failed to identify the township and range. We assumed that you are located in Township 1 North and Range 3 East and the whole basis of this response is based on that assumption. This is to confirm that the nearest well to that location is in the SE, NE, SW of Section 7, Township 1 North, Range 3 East and that the well was drilled for monitoring purposes on land recorded to be owned by the City of Phoenix. The depth to water as reported by the driller is 65.6 feet and is under registration No. 55-504687.

There is one additional monitoring well located in that same section and numerous production wells for municipal, industrial and domestic purposes in the surrounding sections.

Sincerely,


Richard A. Gessner
Chief, Operations Division

RAG:et

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Think Conservation!

Office of Director 255-1554

Administration 255-1550, Water Resources and Flood Control Planning 255-1566, Dam Safety 255-1541,
Flood Warning Office 255-1548, Water Rights Administration 255-1581, Hydrology 255-1586.



Bud's Oil Service, Inc.

Charles A. Peterson

1340 West Lincoln Street
Phoenix, Arizona 85007
(602) 258-6155

d's Oil Service, Inc.

1340 West Lincoln Street
Phoenix, Arizona 85007
(602) 258-6155

Arizona Department of Water Resources
99 East Virginia, Suite 100
Phoenix, Arizona 85002

Attention: Dick Gessner

Dear Mr. Gessner,

It is our understanding that the nearest well to our facility (15th Avenue and Lincoln Street) has the following description, SE, NE, SW Section 7. It is used for monitoring the ground water level in this area, which is currently 65 feet below the surface. Also, it is our understanding that this is the only well located in our area.

As there are no maps available we would appreciate a written response indicating that the above is correct.

If you have any questions, please do not hesitate to call.

Very truly yours,

BUD'S OIL SERVICE, INC.

Charles A. Peterson

Charles A. Peterson
Hazardous Waste Reclamation Manager

CAP:l

TIN - R3E

RECORDED

Twp _____ 2E Rng _____ 3E

6	5	4	1	6	5
7	8	9	10	7	8
18	17	16	13	15	17
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

1N

Notes:

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**MINING LAND CONSULTANT
WESTERN STATES**

B. C. McCASLAND, Jr.
EXPLORATION CONSULTANT

**P. O. Box 115
MIDLAND, TEXAS 79701**

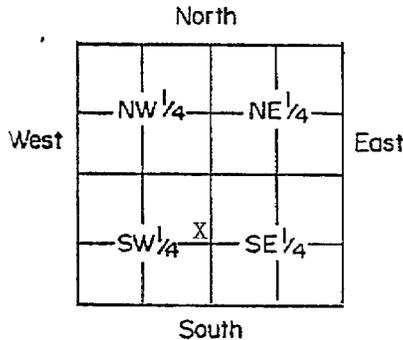
**Office -(915) 684-6815
Home -(915) 682-0667**

EXEMPT WELL
 FILING FEE: \$10.00

DEPARTMENT OF WATER RESOURCES
 NOTICE OF INTENTION TO DRILL OR DEEPEN
 AN EXEMPT WELL

EXEMPT WELL

Section 45-596, Arizona Revised Statutes, provides: A person may not drill or cause to be drilled any well or deepen or replace an existing well without first filing a Notice of Intention to Drill with the Department on a form prescribed and furnished by the Department. The well shall be completed within one year after the date of Notice. An exempt well means a well having a pump with maximum design capacity of not more than 35 gallons per minute which is used to withdraw groundwater. An exempt well may include the non-commercial irrigation of less than 2 acres of land.



- Indicate Well Location by X
 (Above diagram represents one 640 acre section)

WELL/LAND LOCATION:

1. Township T1N
2. Range R3E
3. Section 7
4. SE 1/4 NE 1/4 SW 1/4
10 acre sub-division
- County Maricopa

Owner of Well:
 Howard Needles Tammen
 & Bergendoff

Name 9200 Ward Parkway

Address Kansas City, Missouri 64141

City State Zip

Owner of Land:

City of Phoenix

Name 125 East Washington

Address Phoenix, Arizona 85004

City State Zip

DESCRIPTION OF WELL:

8. Diameter 6"
- Depth 100'
9. Type of Casing 2" PVC
& 4" Steel Surface Casing
10. Principal use of Water.
Monitoring only.

11. Other uses Intended

None

(If for non-commercial irrigation, state approximate area being cultivated.)

12. Construction will start about:

January 1983
 Month Year

PLACE OF USE:

13. Township _____
14. Range _____
15. Section _____
16. Legal description of land water is to be used on:

17. Design Pump Capacity
None

18. Action Requested:

- Drill X
 Deepen _____
 Replace _____

19. This notice filed by:

- Owner _____
 Lessee _____
 Driller X

DO NOT WRITE IN THIS SPACE

OFFICE RECORD

FILE NO AC(1-3)7 cad

FILED 1-21-83 BY EK

INPUT 1-26-83 BY _____

DUPLICATE MAILED 1-24-83 BY EK

REGISTRATION NO 55-504687

AMA NON EXPANSION AREA Phy

Sergent, Hauskins & Beckwith
 Name
3940 West Clarendon
 Address
Phoenix, Arizona 85019
 City State Zip

20. Drillers Name:
Ralph E. Weeks
Sergent, Hauskins & Beckwith
 Name
3940 West Clarendon
 Address
Phoenix, Arizona 85019
 City State Zip
319
 Department License Number

- Fill out this form in duplicate and mail to P.O. Box 2600, Phoenix, Arizona, 85002, or deliver to 99 East Virginia, Suite 100, Phoenix, Arizona 85004.
- If the Exempt Well is in fact a replacement (or deepening) well, state the registration number of the existing well. _____
- Construction standards for new and replacement wells and the deepening and abandonment of existing wells, shall be in accordance with Department Rules and Regulations.
- Norman H. Wetz, P.E., state that the construction will be under the direct and personal supervision of the well driller designated on this form and that the designated driller holds contractors license pursuant to ARS 45-595.

January 21, 1983
 Date

Norman H. Wetz
 Signature of Person Filing

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