



Memorandum

To: Well File

From: Mark Weems, P.E.
Regional Engineer - SW Colorado

Date: March 19, 2014

Subject: Current COGCC Well Status=DA
Current CDWR Well Status=Water Supply Well Permit #11438-F

Monument Global Resources
G. L. Veach #1
NENW 3 34N 20W
05-083-05149

This well is currently used as a water supply well for the Cache Unit. It was originally drilled in 1957 to a depth of 5839' and later plugged back to 1375' in 1967 by Pan American for a water supply well.

Records indicate it is currently producing from the Entrada at a depth of 910'-930' (see attached CDWR page 2). A water test indicates 5083 TDS from CORE LABS; however, a hand written note over the test report indicates 12,000 ppm TDS (see attachment). I do know that CORE LABS analyzed a core from the Paradox. It appears that in a response back from the original operator in 1967-68, Vaughey & Vaughey, the former operator substituted in test results for the water well.

The regulatory jurisdiction falls under the Colorado Division of Water Resources for the well and for discharge concerns the Colorado Department of Public Health.

WELL LOG

From	To	Type of Material	Water Loc.
Surf.	850	Morrison-Salt Wash Sands & Shales	-
850	1425	Entrada Sands and Shales	910-930

Use additional paper if necessary to complete log.

WELL DATA

Type Drilling Rotary

HOLE DIAMETER:

17-1/2 in. from Surface ft. to 385 ft.
12 in. from Surface ft. to 1425 ft.
 _____ in. from _____ ft. to _____ ft.

CASING RECORD

Cemented from 300'-1425'

Plain Casing

Size 13-3/8 ind 48# / Ft. from Surf ft. to 385 ft.
 Size 9-5/8 ind 32.3# from Surf ft. to 910 ft.
 Size 9-5/8 ind 32.3# from 930 ft. to 1425 ft.

Perforated Casing

Size 9-5/8 kind 32.3 from 910 ft. to 930 ft.
 Size _____ kind _____ from _____ ft. to _____ ft.
 Size _____ kind _____ from _____ ft. to _____ ft.

TEST DATA

Date Tested November, 1957
 Type of Pump Flow
 Length of Test 24 Hr.
 Constant Yield 88 GPM
 Drawdown Nil

WELL DRILLERS STATEMENT

Huron Drilling Co. - out of Business

being duly sworn, deposes and says:
 he is the driller of the well hereon described; he has read the statement made hereon; knows the content thereof, and the same is true of his own knowledge.

X

License No. _____

State of Colorado, County of _____) ss

Subscribed and sworn to before me this _____ day of _____, 19____

My Commission expires _____, 19____

Notary Public

STATE OF COLORADO

APPLICATION FOR: A PERMIT TO USE GROUND WATER
 A PERMIT TO CONSTRUCT A WELL
 OTHER

Application must be completed satisfactorily before acceptance

RECEIVED
JAN 25 1967
GROUND WATER SECT.
COLORADO
STATE ENGINEER

PRINT OR TYPE

LOCATION OF WELL

APPLICANT Pen American Petroleum Corporation

COUNTY Montezuma

Street Address Security Life Building

NE 1/4 NW 1/4, sec. 3

City & State Denver, Colorado

T. 34N, R. 20W, NM P.M.

Use of ground water Drilling mud additive for oil well

Ground Water Basin _____

Owner of land on which well is located Cache Reservoir

Water Management District _____

Roscoe McGee, Elijah & Claudia

District _____

Number of Nell Blair

USE DIAGRAM ON THE BACK OF THIS SHEET TO LOCATE WELL.

acres to be irrigated none

Legal description of irrigated land none

Other water rights on this land none

Owner of irrigated land ----

Aquifer(s) ground water is to be obtained from Entrada

Driller Huron Drilling Co. No. _____

Driller's Address Farmers Life Building - Denver

Address _____

[Signature]

Its Attorney in fact Signature of Applicant

ESTIMATED WELL DATA

Est. quantity of ground water to be claimed:

Est. Max. Yield 100 GPM or CFS

Est. average annual amount to be used in acre-feet 700

Storage capacity none AF

CONDITIONS OF APPROVAL

Anticipated start of drilling 19

Oil well plugged 8-2-57; Converted 11-10-57

Hole Diameter:

12 in. from sur. ft. to 1210 ft.

 in. from ft. to ft.

Casing:

Plain 9-5/8 in. from 0 ft. to 1210 ft.

 in. from ft. to ft.

Perf. 9-5/8 in. from 910 ft. to 930 ft.

 in. from ft. to ft.

PUMP DATA:

Type none HP Outlet Size

This application approved
PERMIT NUMBER 11438 - F
DATE ISSUED JAN 31 1967
[Signature]
State Engineer
[Signature]
by _____

This application approved
CONDITIONAL PERMIT NO. _____
(Permit good for one (1) year after date of issuance)
DATE ISSUED _____
Chairman Ground Water Commission
by _____

THE LOCATION OF THE PROPOSED WELL SHALL BE SHOWN ON THE DIAGRAM BELOW. THE LOCATION WILL BE INDICATED BY THE DISTANCES FROM THE SECTION LINES, OR THE DISTANCE AND BEARING FROM GOVERNMENT SURVEY CORNERS OR MONUMENTS.

IF WELL IS FOR IRRIGATION, THE AREA TO BE IRRIGATED MUST BE SHADED OR CROSS-HATCHED.

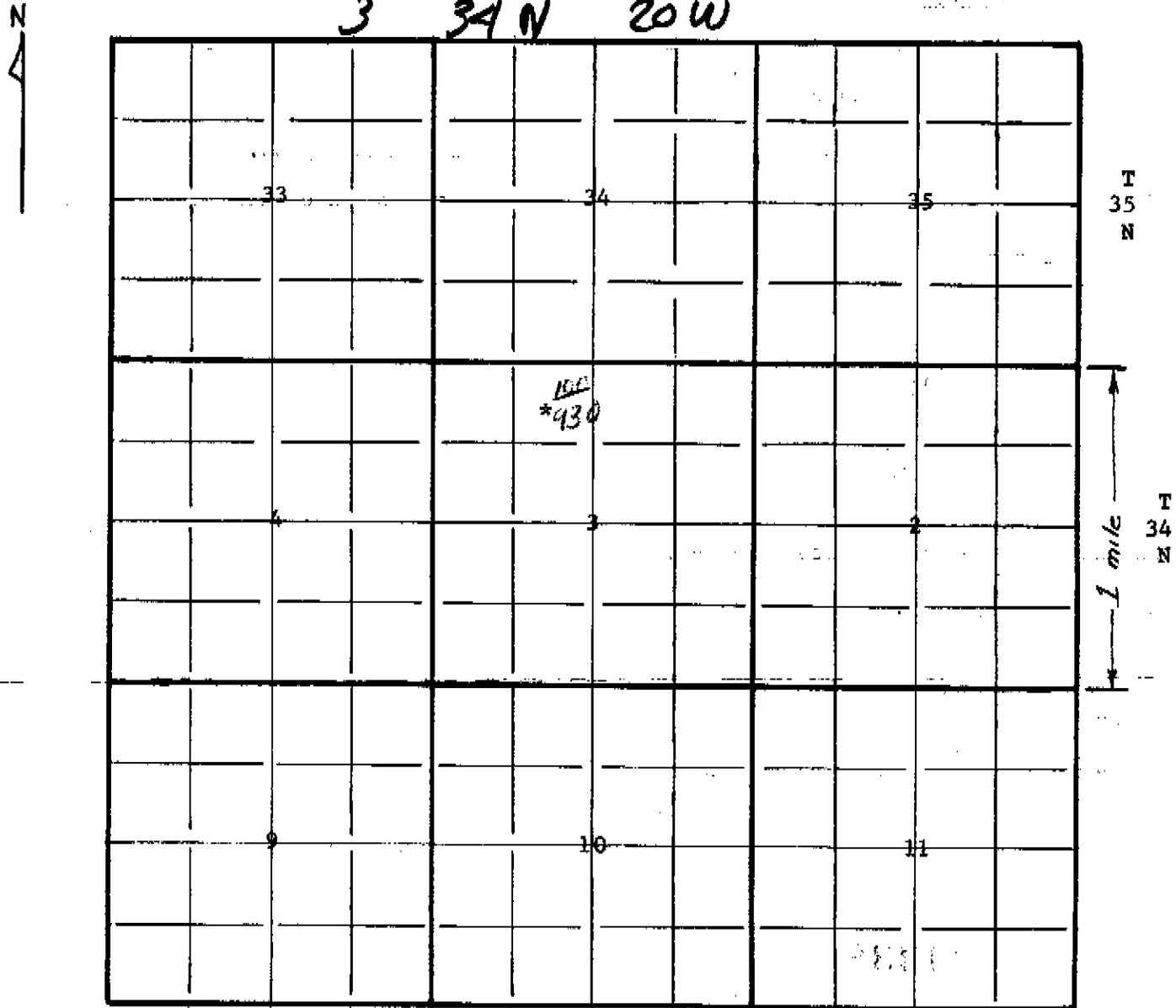
Domestic wells may be located by the following:

Lot _____ Block _____ Street Address _____
or
City _____
Subdivision _____

The diagram represents nine (9) sections. Use the center square (section) to indicate the location of the well.

Montezuma 7-32

3 34 N 20 W



R20W

JK
1-30-67

THE SCALE OF THE DIAGRAM IS TWO INCHES EQUALS ONE-MILE

J. E. WHITTEN
State Engineer

A. RALPH OWENS
Deputy

JOHN A. LOVE, Governor



L. T. BURGESS
Chief Hydrographer

GLEN B. ROGERS
Office Engineer

OFFICE OF THE STATE ENGINEER
232 STATE SERVICES BUILDING
1525 SHERMAN STREET
DENVER 3, COLORADO

August 13, 1968

CERTIFIED MAIL
NO: 366500

Pan American Petroleum Corporation
Security Life Building
Denver, Colorado

PERMIT NO: 11438-F

Gentlemen:

THIS IS TO ADVISE YOU that your conditional Permit No. 11438-F for construction of a well in the Northeast 1/4 of the Northwest 1/4 of Section 3, Township 34 North, Range 20 West of the 6th Principal Meridian, HAS EXPIRED.

The final well completion maps and statements have not been received in this office and the permit is null and void and any well drilled or used under it would be illegal.

Very truly yours,

Leonard A. Mercer
Associate Water Resource Engineer
Ground Water Section

LAM:gs

cc: Huron Drilling Co.

No. 566500

RECEIPT FOR CERTIFIED MAIL—30¢

SENT TO Pan American Petroleum Corporation		POSTMARK OR DATE
STREET AND NO. Security Life Building		
P. O., STATE, AND ZIP CODE Denver, Colorado		
EXTRA SERVICES FOR ADDITIONAL FEES		
Return Receipt Shows to whom and date delivered		Deliver to Addressee Only <input type="checkbox"/> 50¢ fee
Shows to whom, date, and where delivered		
<input type="checkbox"/> 10¢ fee	<input type="checkbox"/> 35¢ fee	

POD Form 3800
Mar. 1966

NO INSURANCE COVERAGE PROVIDED— (See other side)
NOT FOR INTERNATIONAL MAIL

INSTRUCTIONS TO DELIVERING EMPLOYEE	
<input type="checkbox"/> Show to whom, date, and address where delivered	<input type="checkbox"/> Deliver ONLY to addressee
<i>(Additional charges required for these services)</i>	

RECEIPT

Received the numbered article described below.

REGISTERED NO.	SIGNATURE OR NAME OF ADDRESSEE (Must always be filled in)
PAN AMERICAN PETROLEUM CORP.	
CERTIFIED NO. 566500	SIGNATURE OF ADDRESSEE'S AGENT, IF ANY <i>Donna Allen</i>
INSURED NO.	
DATE DELIVERED AUG 14 1966	SHOW WHERE DELIVERED (only if requested)