

FILED
IN OFFICE OF WATER REFEREE
Division No. 5
JUL 30 1971
STATE OF COLORADO
WATER REFEREE

DEC 1971
RECEIVED
WATER RESOURCES
STATE ENGINEER
COLD

J.H. Jr

IN THE DISTRICT COURT IN
FOR WATER DIVISION NO. 5
STATE OF COLORADO
Application No. W-307

FILED
WATER COURT
Division No. 5
JUL 30 1971
STATE OF COLORADO
WATER CLERK
BY DEPUTY

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SEP 2 1971
TWEEDY & MOSLEY

Best Copy Available

IN THE MATTER OF THE APPLICATION)
FOR WATER RIGHTS OF THE OIL SHALE)
CORPORATION IN THE WHITE RIVER OR)
ITS TRIBUTARIES)
TRIBUTARY INVOLVED, PICSANCE CREEK)
IN RIO BLANCO COUNTY)

RULING OF
REFEREE

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SEP - 9 1971
TOSCO-DENVER

The above entitled matter having been referred to the under-
signed as Water Referee for Water Division No. 5, State of Colorado,
by the Water Judge of said Court on the 26th day of April, 1971, in
accordance with Article 21 of Chapter 148, Colorado Revised Statutes
1963, as amended (Chapter 373 S.L. Colo. 1969), known as The Water
Rights Determination and Administration Act of 1969.

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And the undersigned Referee having made such investigations
as are necessary to determine whether or not the statements in the
application are true and having become fully advised with respect to
the subject matter of the application does hereby make the following
determination and ruling as the Referee in this matter, to-wit:

1. The statements in the application are true.
2. The name of claimant and address is: The Oil Shale Corporation, 1700 Broadway, Denver, Colorado 80202.
3. The source of water is a well having a depth of 2,395 feet.
4. The legal description of point of diversion is: The well is located 630 feet South and 530 feet West of the Northeast corner of Section 10 in the NE 1/4 NE 1/4 of Section 10, T.35., R.96W. of the 6th P.M. in Rio Blanco county, Colorado.
5. The proposed use of the water is irrigation, domestic, and industrial.
6. The date of initiation of appropriation is June 22, 1964.
7. The amount of water claimed in cubic feet per second of time is 0.5 cubic feet per second of time.
8. A permit to drill a well was issued to the Oil Shale Corporation by the Office of the State Engineer on January 10, 1966, No. 10537-F.

Best Copy Available

The Referee does therefore conclude that the above entitled application should be granted and that 0.5 cubic feet of water per second of time hereby is awarded to the Oil Shale Corporation Well for irrigation, industrial, and domestic uses, with appropriation date of the 22nd day of June, 1964, absolutely and unconditionally, subject, however, to all earlier priority rights of others and to the integration and tabulation by the Division Engineer of such priorities and changes of rights in accordance with law as may be determined in pending supplemental general adjudication proceedings.

It is accordingly ORDERED that this ruling shall be entered by the Referee in his records and shall become effective upon such entry, subject to judicial review as provided by law.

It is further ORDERED that a copy of this ruling shall be filed with the appropriate Division Engineer and the Water Clerk of said Court.

Done at the City of Glenwood Springs, Colorado, this 30th day of July, 1971.

BY THE REFEREE:

James Cole
Water Referee
Water Division No. 5
State of Colorado



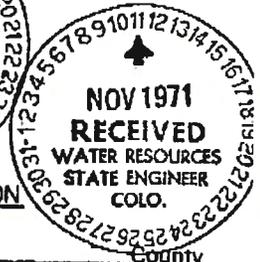
No protest was filed in this matter. The foregoing ruling is confirmed and approved, and is made the judgment and Decree of this court.

Dated: August 27, 1971.
Clifford H. Dawson
Water Judge

STATE OF COLORADO
DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER

Index No.	_____
IDWD	_____
Completion	_____
Yield	_____
Checked By	_____

MAP AND STATEMENT FOR WATER WELL FILING
PERMIT NUMBER 10537-F

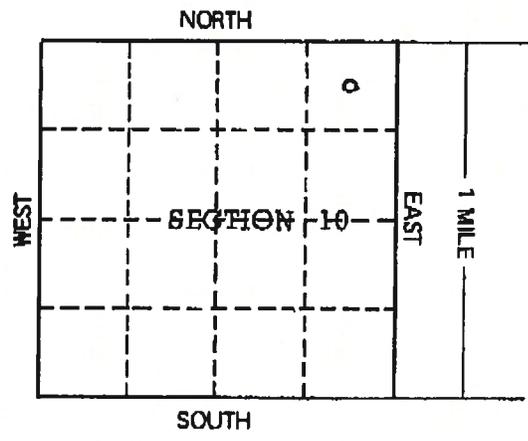


STATE OF COLORADO) SS
THE OIL SHALE CORPORATION
CLAIMANT (X) Lawrence M. Wert

WELL LOCATION
Rio Blanco County
NE 1/4 of NE 1/4, sec. 10
T. 3 South R. 96 West 6th P.M.

being duly sworn upon oath deposes and says that he (they) is (are) the owner (s) of the well described hereon; the total number of acres of land irrigated from this well is 5⁺ or more acres; work was commenced on this well by actual construction on the 22nd day of June 1964; the sustained yield from said well is 230 gpm, for which claim is hereby made for irrigation, domestic & industrial purpose (s);

INDICATE WELL LOCATION ON DIAGRAM



the average annual amount to be diverted is 361.98 acre-feet; this map and statement is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) own knowledge. THE OIL SHALE CORPORATION
Signature (s) By: Lawrence M. Wert
Lawrence M. Wert
Address: 1600 Broadway
Denver, Colorado 80202

WELL SHALL BE LOCATED WITH REFERENCE TO GOVERNMENT SURVEY CORNERS OR MONUMENTS, OR SECTION LINES BY DISTANCE AND BEARING.

Subscribed and sworn to before me on this 10th day of November, 19 71

630 ft. from north section line.
(North or South)
530 ft. from east section line.
(East or West)

My Commission expires: December 1, 1973
(Seal) Natalie Gauer
Notary Public

Ground Water Basin Piceance Creek

WELL DATA
Date Completed July 6, 1964
Static Water Level 45 feet below top of casing
Total Depth of Well 2395 feet

Water Management
District _____

Domestic wells may be located by the following:

LOT _____, BLOCK _____
SUBDIVISION _____
FILING # _____

ACCEPTED FOR FILING IN THE OFFICE OF THE STATE ENGINEER OF COLORADO ON THIS _____ DAY

OF _____, 19 _____

STATE ENGINEER
[Signature]

FORM TO BE MADE OUT IN QUADRUPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer within 30 days after the well is completed or within 7 days after expiration date of the permit, whichever is sooner; PINK COPY is for the Owner and YELLOW COPY is for the Driller.

WELL LOG

From	To	Type & Color of Material	Water Loc.
---		First Water	485 ft.
---		Estimated source of present flow	600 to 650
---		Last Water	911 ft.
Use additional paper if necessary to complete log.			

WELL DATA

Type Drilling _____

HOLE DIAMETER:

17 in. from KB ft. to 44 ft.
11-1/4 in. from 44 ft. to 465 ft.
7-7/8 in. from 465 ft. to 2395 ft.

CASING RECORD

Plain Casing
13-3/8 surface Size, kind KB from KB ft. to 44 ft.
8-5/8 Size, kind _____ from 44 ft. to 462 ft.
Open Size, kind _____ from 462 ft. to 2395 ft.

Perforated Casing NONE

Size, kind _____ from _____ ft. to _____ ft.
 Size, kind _____ from _____ ft. to _____ ft.
 Size, kind _____ from _____ ft. to _____ ft.

GROUTING RECORD NONE

Material _____
 Intervals _____
 Placement Method _____

GRAVEL PACK RECORD NONE

Size _____ Interval _____

TEST DATA

Date Tested Sept. 29, 1965
 Type of Pump ---
 Length of Test 24 hours
 Sustained Yield (Metered) 230 gpm
 Drawdown 400 feet

WELL DRILLERS STATEMENT

The undersigned, 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 _____

State of Colorado, County of _____) ss

License No. _____

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

My Commission expires _____, 19_____

Notary Public

2 8 1966

STATE OF COLORADO
DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER
GROUND WATER SECTION

DEC 22 1965
GROUND WATER SECT.
COLORADO
STATE ENGINEER

Index No. 78
IDWD 6-43
Use 6 9
Registered 12-22-65

LOG AND HISTORY OF WELL

PERMIT NO. 10537-F

WELL LOCATION

52

Driller Equity Oil Company Lic. No. _____

Owner The Oil Shale Corporation, et al
1600 Broadway, Suite 1120
Street 1700 Broadway City Denver 2, Colo.

80202 Rio Blanco County
NE 1/4 of NE 1/4 of Sect. 10.

Tenant Reuben Oldland

Twp. 3 S. Rge. 96 W. 6th PM

Use of Water Irrigation, Commercial, Industrial

On or By NE NE, Sec. 10, T. 3 S., R. 96 W. Acres _____
(description of site or land)

Date Started June 22, 1964

Date Completed July 6, 1964

Yield 230 GPM or _____ CFS

WELL DESCRIPTION:

Depth to Water flow ft. Total Depth 2395 ft.
(measured from ground surface)

Hole Diameter { in. 17 from K.B. ft. to 44 ft.
in. 11 1/4 from K.B. ft. to 465 ft.
in. 7 7/8 from K.B. ft. to 2395 ft.

TEST DATA:

How Tested _____ Pump or _____ Bailed flow

Date Tested 9/29, 1965 Length 24 hrs.

Rate 230 GPM Drawn Down 400 ft.

PUMP DATA:

Pump Type _____ Outlet Size _____ in.

Driven by _____ HP _____

CASING RECORD:

Plain Casing

Size 13 3/8, Kind surf. from K.B. ft. to 43 ft.

Size 8 5/8, Kind _____ from K.B. ft. to 462 ft.

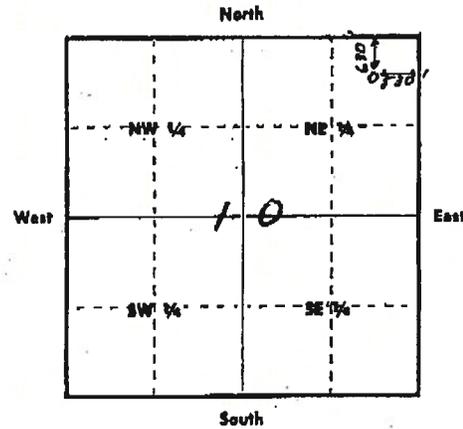
Size Open, Kind _____ from _____ ft. to 2395 ft.

Perforated Casing

Size _____, Kind _____ from _____ ft. to _____ ft.

Size _____, Kind _____ from _____ ft. to _____ ft.

Size _____, Kind _____ from _____ ft. to _____ ft.



ABOVE DIAGRAM REPRESENTS ONE FULL SECTION. LOCATE WELL ACCURATELY IN SMALL SQUARE REPRESENTING 40 ACRES.

or
If the above is not applicable fill in:

No. _____ Street _____

City or Town _____
or
Lot _____, Block _____

Subdivision _____
(Include filing or number)

TO BE MADE OUT IN QUADRUPPLICATE:
Original Blue (both sides) and Duplicate Green Copy must be filed with the State Engineer within 30 days after well is completed. White copy is for the Owner and Yellow copy for the Driller. **SIGN BLUE COPY**

oil well condensation

ed *CBM*
FBI
Mark
Special X

Form C Rev.
9-62/10M

STATE OF COLORADO

RECEIVED

APPLICATION FOR:

A PERMIT TO USE GROUND WATER
 A PERMIT TO CONSTRUCT A WELL

DEC 22 1965

GROUND WATER SECT

Applicant The Oil Shale Corporation

LOCATION OF WELL

P.O. Address 1700 Broadway, Denver 80202
Quantity applied for 230 gpm or
AF Storage

County Rio Blanco STATE ENGINEER

Used for Irrigation, commercial and industrial Purposes

NE 1/4 of NE 1/4 of Sect. 10, Twp. 3 S.,

on/at NE NE, Sec. 10. T. 3 S., R. 96 W.
(legal description of land site)

Rge. 96 W., 6th P.M. OR

Street Address or Lot & Block No.

Town or Subdivision

Total acreage irrigated and other rts.

ESTIMATED DATA OF WELL

Hole size: 1 1/4 in. to 462 ft.
7 7/8 in. to 2395 ft.

Casing Plain 33/8 in. from KB to 43 ft.

8 5/8 in. from KB to 462 ft.

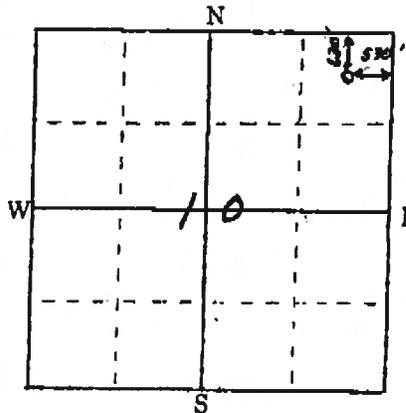
Open or Perf 7 7/8 in. from 462 to 2395 ft.
in. from to ft.

PUMP DATA: Type Flowing .HP Size Outlet

Use initiation date 19
(Use Supplemental pages for additional data)

Oil Well Conversion

Driller to furnish Log and History (Form E) within 30 days after completion of well.



Locate well in 40 acre (small) square as near as possible. Large square is one section.

\$25.00 fee required for uses other than Domestic or Livestock.

THIS APPLICATION APPROVED
PERMIT NO. 10537-F
ISSUED:
DATE JAN 10 1966 19

Applicant The Oil Shale Corporation
Agent or by Douglas E. Nelson
Driller No.

Address 1700 Broadway, Denver Colo

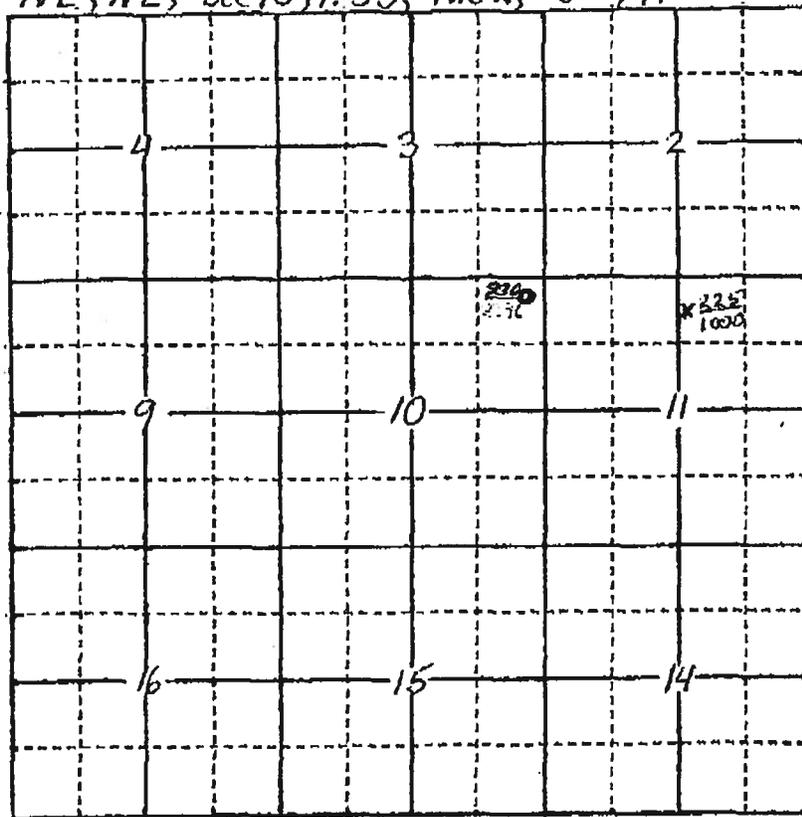
NOTE - SATISFACTORY COMPLETION REQUIRED FOR APPROVAL OF APPLICATION
No apparent interference RE

Rio Blanco Co #52

6-43

NE, NE, Sec 10, T. 35, R. 16W, 6th PM

Sec 11



0 FLOW
2016

no well within
1/2 mile

2340
2.7c

2257
1000

12-23-65
A.H.

THE OIL SHALE CORPORATION
1700 BROADWAY
DENVER 2, COLORADO

December 28, 1965

Oil and Gas Conservation Commission
of the State of Colorado
State Services Building - No. 312
Denver, Colorado

Re: Applications for Water Well

Gentlemen:

Under the date of December 27, 1965, we made application with the State Engineer for a water well permit for a well located in the NE/4 NE/4 of Sec. 10, T. 3 S., R. 96 W., Rio Blanco County, Colorado.

The present owners of this land are The Oil Shale Corporation, Sohio Petroleum Company and Shell Oil Company. The former owners, Reuben Oldland, et al, now occupy this land under a surface lease agreement granted by the present owners.

The subject well was drilled by Equity Oil Company for the purpose of discovering oil and gas. Equity has now surrendered its oil and gas lease and a copy of this instrument was filed with the State Engineer together with our water well application.

Equity Oil Company has been released from all obligations in connection with this well. The Oldlands' no longer have any ownership in this land. The present owners accept full responsibility with regard to the said well.

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STATE ENGINEER
OF COLORADO

Oil and Gas Conservation Commission

December 20, 1965

Page 2

Enclosed herewith please find a copy of a letter from Donald L. Coffin of the Geological Survey together with copies of its attachments. These materials are all that we have in the nature of test data.

We trust that this is the material which you need in this connection and we hope that it satisfies Rule 330(g) of your Rules and Regulations.

Very truly yours,



LAWRENCE M. WERT
Land Department

LMW/ks

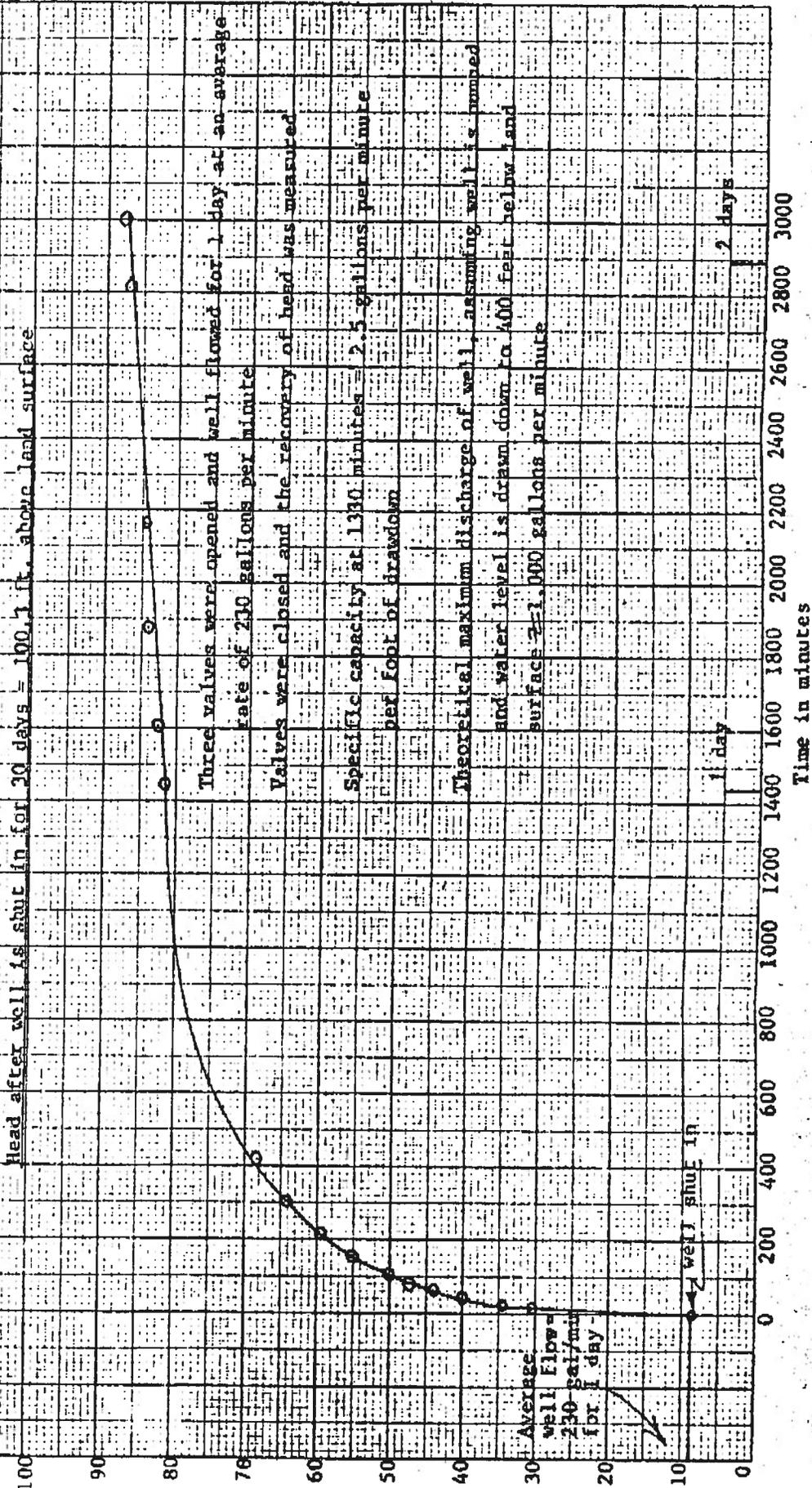
Encs.

cc: State Engineer of the State of Colorado w/encs.

Flowing artesian well in sec. 10, T.3S., R.96W.

Sept. 29 to Oct. 1, 1965

Head after well is shut in for 30 days = 100.1 ft. above land surface



Average well flow = 230 gal/min for 1 day

Well shut in

1 day

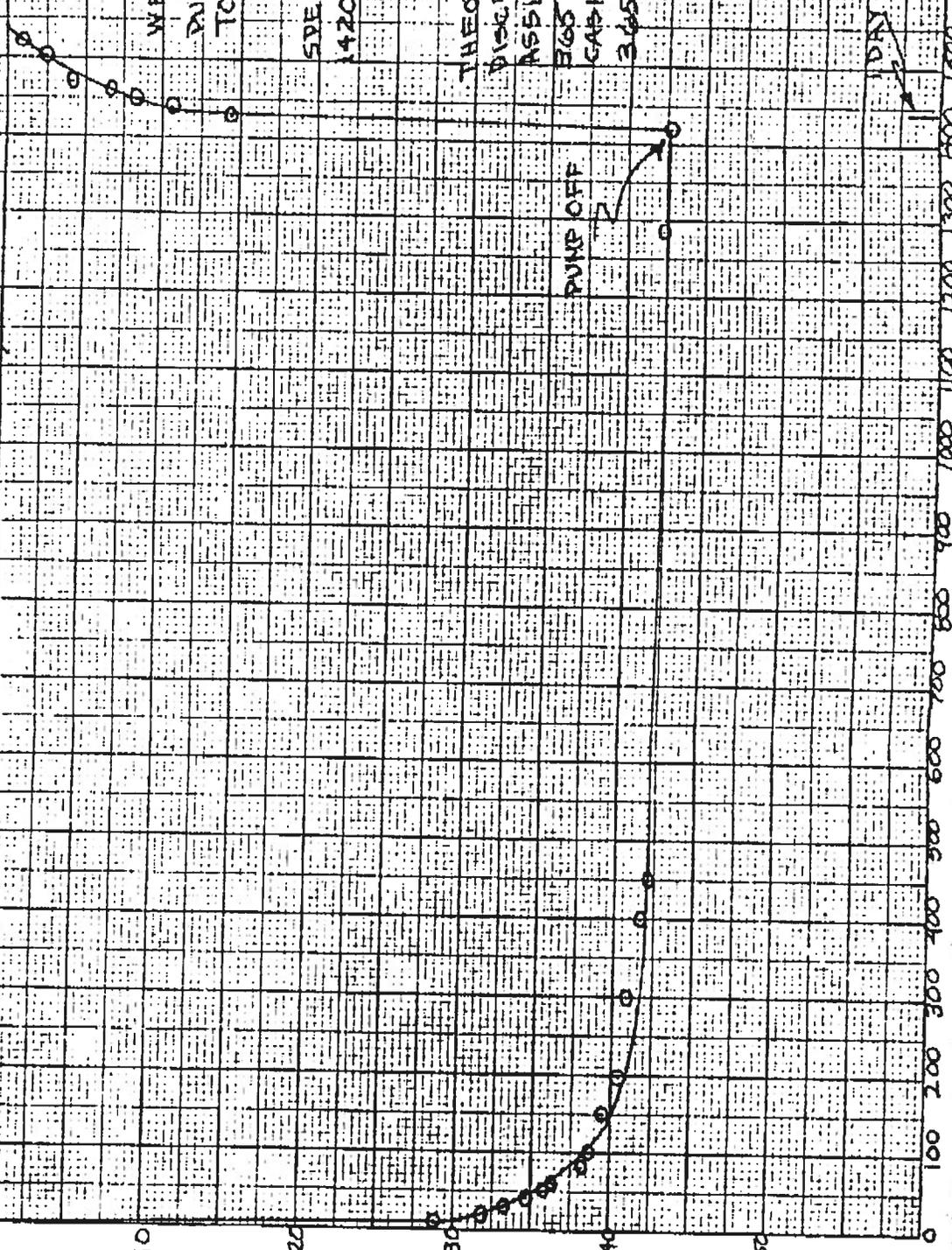
2 days

Time in minutes

OLDLAND, ND., OCT. 1-2, 1964
 SEC. 11, T. 35, R. 96W

PUMP ON

TOP OF CASING



WELL FLOWS - 20 gal/min
 PUMPING RATE = 44 gal/min
 TOTAL DISCHARGE = 64 gal/min

SPECIFIC CAPACITY AT
 1420 MIN = 1 gal/min
 ft. of drawdown

THEORETICAL MAXIMUM
 DISCHARGE OF WELL,
 ASSUMING PUMP INTAKE SET

865 FT. BELOW TOP OF
 CASING =
 365 ft. x 1 gal/min = 365 gal/min
 ft. of drawdown

Time in minutes