

SITE INVESTIGATION PLAN



BILL 32-26-5
Facility ID# 321813
Well: BILL 32-26 #5
API: 05-017-07027

SWNE, Section 26, T13S R42W

Cheyenne County, Colorado

Prepared for:
Citation Oil & Gas Corp.
14077 Cutten Rd.
Houston, TX 77069

Prepared by:
Absaroka Energy and
Environmental Solutions, LLC.
112 High St.
Buffalo, WY 82834

CIT.CO.0518.15



March 2023

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APPENDIX A – WATER WELL PERMITS

1 INTRODUCTION

Citation Oil & Gas Corp. (Citation) contracted Absaroka Energy and Environmental Solutions, LLC (AE₂), to prepare a Site Investigation Plan (Plan) for the decommissioning of the Bill 32-26-6 facility and plugging and abandonment of the Bill 32-26 #5 well (API# 05-017-07027). Decommissioning of the location will include removal of the following equipment from the well site: pumping unit and motor, and cathodic protection rectifier. The buried electric line will be severed from the well prior to plugging.

The following Plan provides an overview and detailed description of the activities to be performed as part of the site investigation, as well as site background, hydrogeology, and surface and groundwater receptors. This Plan also details the soil sampling to be conducted. Maps and other reference materials are also included.

1.1 Site Description and Location

The Bill 32-26-6 location and BILL 32-26 #5 well is located approximately 15.5 miles northeast of the town of Cheyenne Wells, Colorado in Cheyenne County (**Attachment A**).

The location may be accessed from Cheyenne Wells by turning east onto CO State Highway 40, and travel east approximately 13 miles to CO Road 57. Turn north on CO Road 57 and travel approximately 2.6 miles. Turn east on CO Road V and travel approximately 1.0 miles. Turn north on an unnamed lease road and travel approximately 0.4 miles. Turn east on an unnamed lease road and travel approximately 0.5 miles. Turn north on an unnamed lease road and travel approximately 0.1 miles then continue east and north approximately 0.1 miles to enter the well site.

1.2 Contact Information

Pertinent contact information regarding the site investigation.

Contact	Person	Address	Phone No.
Responsible Party	Citation Oil & Gas Corp.	14077 Cutten Rd. Houston, TX 77069	281-891-1000
EHS & Regulatory Director	Bob Redweik	14077 Cutten Rd. Houston, TX 77069	281-891-1550
Environmental Contractor	Ben Shoup Absaroka Energy and Environmental Solutions, LLC	112 High Street Buffalo, WY 82834	307-299-5950
Landowner	Roth Robert William Jr	PO Box 907 Cheyenne Wells, CO 80810	

1.3 Historic Land Use

The Site is located in a rural setting within the Great Plains physiographic province. Historic land use for the area includes agricultural operations and farming. In addition, the land is currently being used for oil and gas production operations. Prior to oil and gas operations, the area had few uses aside from agriculture.

1.4 High Priority Habitat Review

The Colorado Parks and Wildlife (CPW) High Priority Habitat (HPH) map overlay was reviewed, and the site is located within the extents of the *Winter Concentration Area* and *Severe Winter Range* for Mule Deer.

2 HYDROGEOLOGICAL CONDITIONS

2.1 Geology

The surface geology of the area is comprised of Quaternary eolian deposits. These deposits overlie the Tertiary Pliocene and Upper Miocene Ogallala Formation which unconformably overlies the Late Cretaceous Pierre Shale. The Ogallala Formation is described as mainly sand and gravel with interbedded silt. The Pierre Shale is described as a dark-gray and brownish clay shale containing calcareous and ferruginous concretions throughout, with some thick bentonite beds.

2.2 Soil

Surface soil texture at the Site is primarily Sandy Loam. Soil characteristics and type were referenced from the Natural Resources Conservation Service's Web Soil Survey. Soils within the site consist of two primary soil series: the Ascalon sandy loam soils, and the Eckley gravelly sandy loam soils. These soils occur in an area with mean annual precipitation of 13 to 19 inches, mean annual air temperature of 46 to 57 degrees Fahrenheit, and a frost-free period of 120 to 160 days.

Ascalon sandy loam soils occur on 5 to 20% slopes on side-slopes and crests of hills. These soils are sandy, loam, well drained, with a depth to groundwater that is typically greater than 80 inches. They are considered non-saline to very slight saline (0.0 to 2.0 mmhos/cm). These soils have a typical depth to restrictive features more than 80 inches.

The Eckley gravelly sandy loams soils occur on 5 to 20% slopes on side-slopes and crests of hills. These soils are gravelly sandy loam, well drained, with a depth to groundwater that is typically greater than 80 inches. These soils have a typical depth to restrictive features of generally more than 80 inches.

2.3 Hydrogeology

2.3.1 Potential Groundwater Receptors

A review of Colorado's DWR Well Permit Resource data identified five (5) water wells within 1.0 mile of the Site. The nearest water well is used for irrigation and is 0.52 miles to the northwest. This well was drilled in 1968 with a static groundwater level of 120 bgs (Permit included in **Appendix A**). Another water well is located 0.73 to the south and is industrial use. This well was drilled in 1997 with a static groundwater level of 230 bgs. A third water well is an irrigation well located 0.74 miles to the southeast. This well was drilled in 2013 with a static groundwater level of 160 bgs (Permit included in **Appendix A**). A fourth water well was constructed in 1975. It is used for irrigation and is 0.98 miles to the northeast with a static groundwater level of 86 bgs (Permit included in **Appendix A**). The fifth water well is located 1.0 miles to the south. This well has an undefined use and was drilled in 1997 with a static groundwater level of 230 bgs (Permit included in **Appendix A**). Based on the small size of the site and no major facilities having ever been present, and the depth to groundwater being greater than 20 feet, the potential for groundwater impact is not considered a concern for this investigation.

2.3.2 Potential Surface Water Receptors

Surface water is present in the area in the form of ephemeral streams and small reservoirs. The closest surface water feature to the Site is Smoky Hill River which is an ephemeral drainage. This drainage feature is approximately 0.4 miles to the north of the well site. The closest downstream perennial water body is the Arkansas River which is more than 58 miles down-gradient of the site.

3 SITE CHARACTERIZATION SAMPLING METHODS

3.1 General Sampling Methods

3.1.1 Site Soil Sampling

Field screening will be conducted prior to collection of soil samples. This will be accomplished with olfactory and visual observations, probing using an electrical conductivity (EC) meter, and a calibrated Photoionization Detector (PID). Soil sampling will follow industry accepted sampling procedures. Soil samples will be collected with a soil bucket auger or stainless-steel trowel. Samples will be collected from 0-6 inches in the soil profile. Deeper samples may be collected separately from deeper intervals (e.g., 6"-12", 12"-18", etc.) if hydrocarbon and/or salinity impacts are readily detected during field screening at depths greater than six (6) inches. Soil will be transferred directly into soil sample containers provided by the laboratory. Each sample will be transferred immediately to a cooler and preserved with ice for transport to the laboratory. Sampling personnel will don nitrile gloves during the sampling activities; donning new gloves between each sample location to prevent cross-contamination. Each soil sample will be analyzed

in accordance with Table 915-1. The COGCC clean-up concentrations for soil are provide in Table 915-1, including provisions for comparison to naturally occurring background levels for specific parameters.

3.1.2 Groundwater Sampling

No shallow groundwater is anticipated to be present at this site based on local water well data, and therefore no groundwater sampling is planned.

3.1.3 Background Reference Samples

One background sample will be collected for baseline comparative and reference purposes. The sample will be collected from an adjacent, upgradient or cross-gradient, unaffected area (approximate location identified on the Sampling Map – **Attachment C**). The background sample will be analyzed for the following constituents:

- Electrical conductivity (EC)
- Sodium absorption ratio (SAR)
- pH
- Boron
- Metals

3.2 Field Screening

Field screening will be conducted during the sampling effort to aid in determining if there is any contamination at the Site and determine its extent. An soil probe will be used to screen soil for EC exceedance and a PID will be used to field screen soil for volatile organic compounds (VOCs). Screening samples will be collected into a Ziploc bag and allowed to rest for one minute. After one minute (or until unfrozen in frozen conditions), the PID will used to detect VOC concentrations in the Ziploc bag head space.

3.3 Decontamination

All sampling equipment will be decontaminated between each sample by first removing any remaining soil, then washing with an Alconox solution, then rinsing with distilled water. Equipment will be allowed to air dry prior to subsequent sampling. Sampling personnel will don nitrile gloves during the sampling activities, donning new gloves between each sample location.

3.4 Chain of Custody

Chain of Custody (COC) protocol will follow generally accepted methods. Sample containers will be sealed and placed on ice in coolers for shipment. Prior to shipping, the COC will be signed and dated by the sampler. The COC will be sealed in a Ziploc bag and taped to the inside of the cooler lid. The cooler is sealed and taped shut for shipment. Lab personnel, upon receipt of the coolers, removes the tape, breaks the cooler seal, retrieves the COC, and then fills in the appropriate lab receipt information and signs the document. Documentation of the completed COC is sent to AE₂ via email.

3.5 Documentation

Each sample location will be fully documented. At minimum, documentation includes the following items:

- Collector name
- Sample name
- Sample date/time
- Sample type (discreet, composite)
- PID reading
- EC reading
- Coordinates
- Photographs
- Visual/olfactory observations
- Soil description
- Other notes

To assist with the documentation effort, a GPS enabled digital device, sample log forms, and sample log table will be utilized to track and record data. Sample locations will be photo documented.

4 QUALITY ASSURANCE / QUALITY CONTROL

All sampling documentation will be reviewed for any errors or omissions prior to completing the field activities for each sampling location.

4.1 Data

Data collected for each sample will be documented by several methods. Each sample location will be documented using a digital device equipped with a GPS receiver. In addition, each sample will be documented on a sample log form. Finally, a sampling log table will be completed as samples are collected ensuring that all the required samples and attribute data are collected and recorded. Each sample location will also be photo-documented, and a photographic log will be prepared.

Sample log forms, log tables, and GPS waypoint data will be cross-checked daily to ensure accurate data.

4.2 Cross-contamination

To eliminate the possibility of cross-contamination of samples during the sampling activities, all sampling equipment will be decontaminated between each sample location. The decontamination procedures are discussed above in Section 3. In addition, sampling personnel will don new nitrile gloves for each sample to be collected.

5 SAMPLING DEVIATIONS

Additional sampling containers will be available in the event that additional sampling is warranted. Conditions that may warrant additional sampling include discovery of potentially contaminated soil areas, discovery of contamination at depths greater than anticipated, or discovery of significant differences in soil type/texture in areas across the site. Although not anticipated to be necessary, sampling containers for water samples will be available for collecting groundwater, if encountered.

6 IMPLEMENTATION AND REPORTING SCHEDULE

The site investigation will begin as soon as this plan has been approved by the COGCC. A follow-up report with results of the site investigation will be submitted as soon as possible after activities have concluded. If determined necessary based on the site investigation results, a remediation design will be developed and implemented to address any confirmed contamination.

7 POTENTIAL REMEDIATION ACTIVITIES

Remediation activities for substantial impacts, if required, will likely involve excavation of impaired soils for transport to an approved disposal facility. Following excavation and removal of any impaired soils, confirmation sampling will be conducted to confirm successful remediation. Excavated areas will then be backfilled with clean soil as necessary and seeding of the remediated area to re-establish a proper seedbed will be conducted.

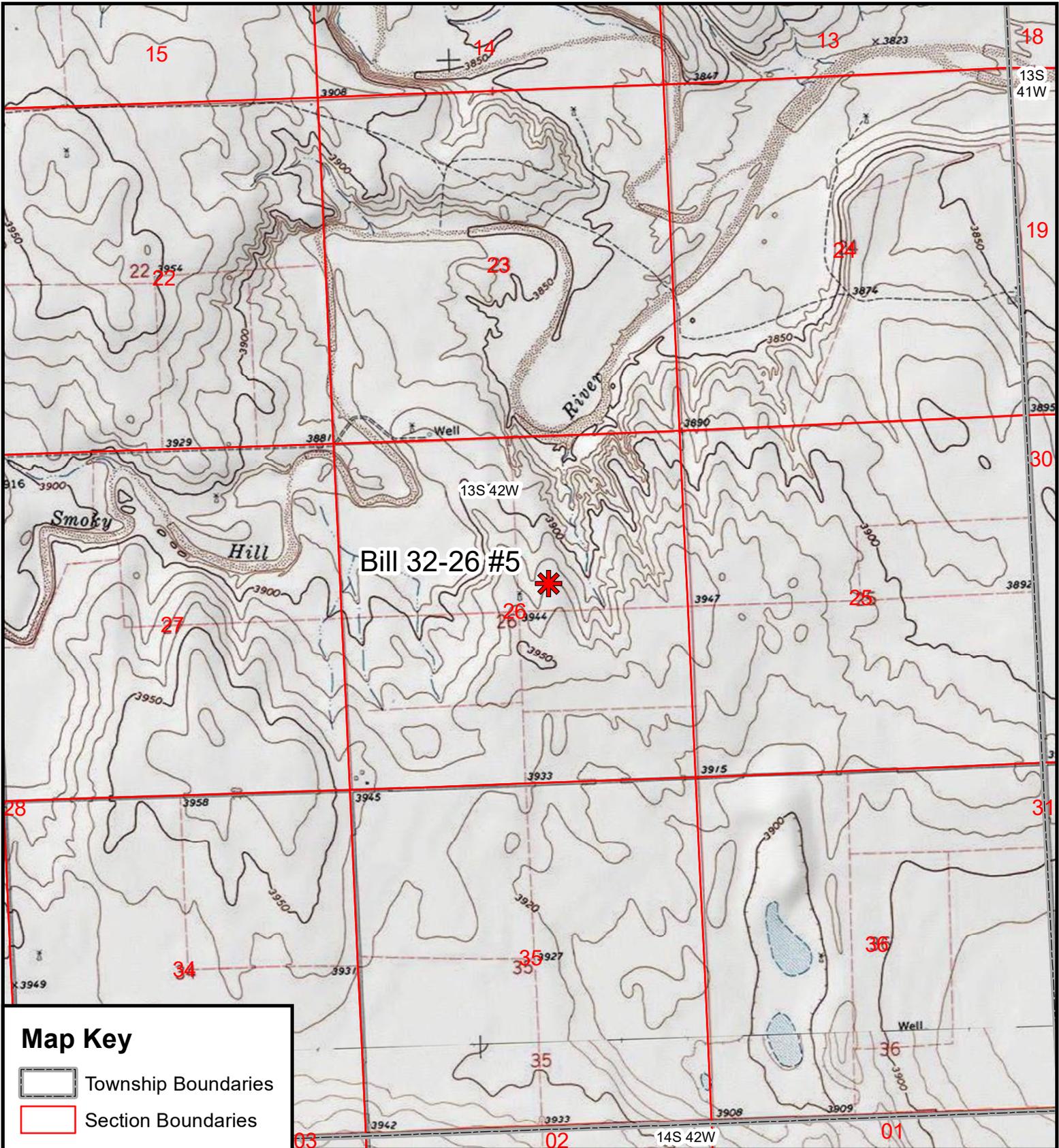
Remediation activities for minor impacts may include *in situ* treatment methods to reduce contaminants of concern below regulatory limits and to foster successful reclamation. *In situ* treatment may include scarification of the soil and addition of amendments to breakdown hydrocarbons or modify soil geochemistry to mitigate brine-related impacts which result in increased EC and SAR. Amendments may include manure, straw, specialty hydrocarbon remediation products (e.g., MicroBlaze, DualZorb, etc.), gypsum, or fertilizers. Application rates would be based on need to treat the affected area. Following *in situ* treatment (usually at least 6 months), confirmation sampling will be conducted to confirm successful remediation.

Site Investigation Plan - Bill 32-26-6

The results of any remediation activities will be summarized in a report along with confirmation soil sample data and submitted to the COGCC.

ATTACHMENTS

Attachment A – Project Location Map



Bill 32-26 #5



Map Key

-  Township Boundaries
-  Section Boundaries



112 High Street
Buffalo, Wyoming 82834
855.684.5891

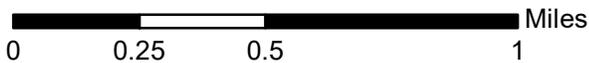
www.absarokasolutions.com

CIT.CO.0518



**Bill 32-26 #5
Project Location Map**

Cheyenne County, State of Colorado



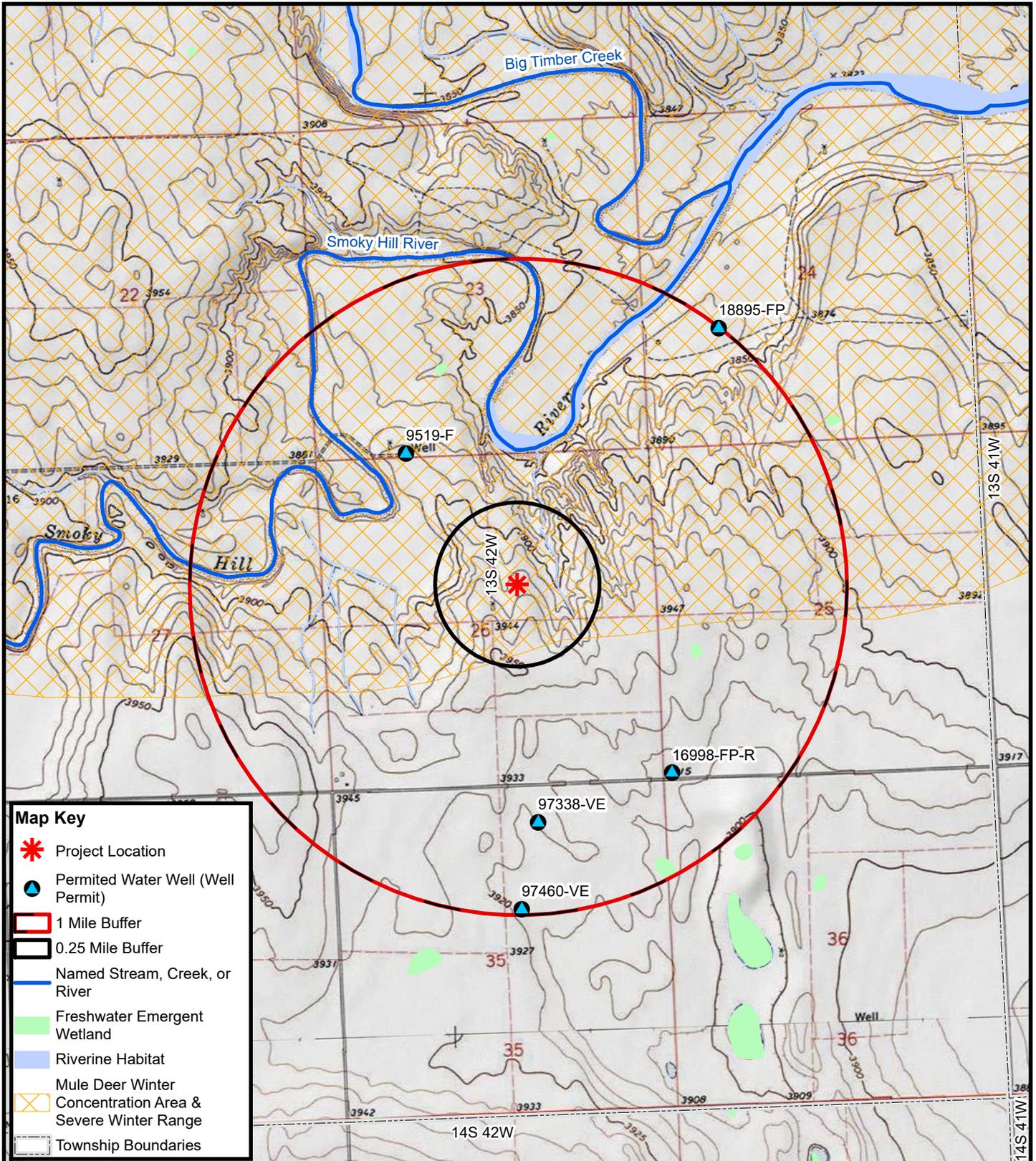
Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:24,000

Date: 2/8/2023

Attachment B – Sensitive Receptor Map



Map Key

- Project Location
- Permitted Water Well (Well Permit)
- 1 Mile Buffer
- 0.25 Mile Buffer
- Named Stream, Creek, or River
- Freshwater Emergent Wetland
- Riverine Habitat
- Mule Deer Winter Concentration Area & Severe Winter Range
- Township Boundaries



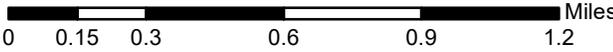
112 High Street
Buffalo, Wyoming 82834
855.684.5891

www.absarakasolutions.com

CIT.CO.0518

Bill 32-26 #5
Sensitive Receptors Map

Cheyenne County, State of Colorado




Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:26,400

Date: 3/21/2023

Attachment C – Soil Sampling Location Map



Map Key

- ▲ Investigation Samples
- ▲ Background Samples



112 High Street
Buffalo, Wyoming 82834
855.684.5891

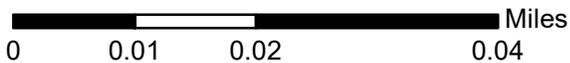
www.absarokasolutions.com

CIT.CO.0518



Bill 32-26 #5 Sample Location Map

Cheyenne County, State of Colorado



Coordinate System: WGS 1984 UTM Zone 13N



Scale: 1:1,000

Date: 2/8/2023

APPENDECIES

Appendix A – Water Well Permits

RECEIVED

AUG 31 1982

WATER RESOURCES
STATE ENGINEER

AFFIDAVIT

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., - 1313 Sherman St.

Denver, Colorado 80203

TYPE OR
PRINT IN BLACK INK
COPY OF ACCEPTED
STATEMENT MAILED
ON REQUEST.

STATE OF COLORADO

COUNTY OF Denver

SS.

STATEMENT OF BENEFICIAL USE OF GROUND WATER
 AMENDMENT OF EXISTING RECORD
 LATE REGISTRATION

PERMIT NUMBER 9519-F

LOCATION OF WELL

THE AFFIANT(S) Arapahoe Land and Cattle Company

County Cheyenne

whose mailing

address is 1525 Market St., Suite 300 SE 1/4 of the SW 1/4, Section 23

City Denver, CO 80202 Twp. 13 S Rng. 42 W 6 P.M.

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is located as described above, at distances of _____ feet from the _____ section line and _____ feet from the _____ section line;

water from this well was first applied to a beneficial use for the purpose(s) described herein on the 6 day of June, 1968; the maximum sustained pumping rate of the well is 1200 gallons per minute, the pumping rate claimed hereby is 1200 gallons per minute; the total depth of the well is 266 feet; the average annual amount of water to be diverted is 640 acre-feet; for which claim is hereby made for agricultural purpose(s); the legal description of the land on which the water from this well is used is the SE 1/4 Sec. 22 and SW 1/4 Sec. 23, Twp 13S, Rng 42W, 6 P.M. of which 320 acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water 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) knowledge.

(COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) [Signature]

Subscribed and sworn to before me on this 27 day of August, 1982

My Commission expires: February 1, 1986

[Signature]
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO PURSUANT TO THE FOLLOWING CONDITIONS:

FOR OFFICE USE ONLY			
Court Case No.	_____		
Prior	Mo.	Day	Yr.
Div.	<u>8-1</u>	City	<u>09</u>
Sec.	1/4	1/4	1/4
Well Use	<u>6</u>		
Dist.	<u>49</u>	Basin	<u>1</u> Mon. Dis. <u>8</u>

DATE AUG 31 1982

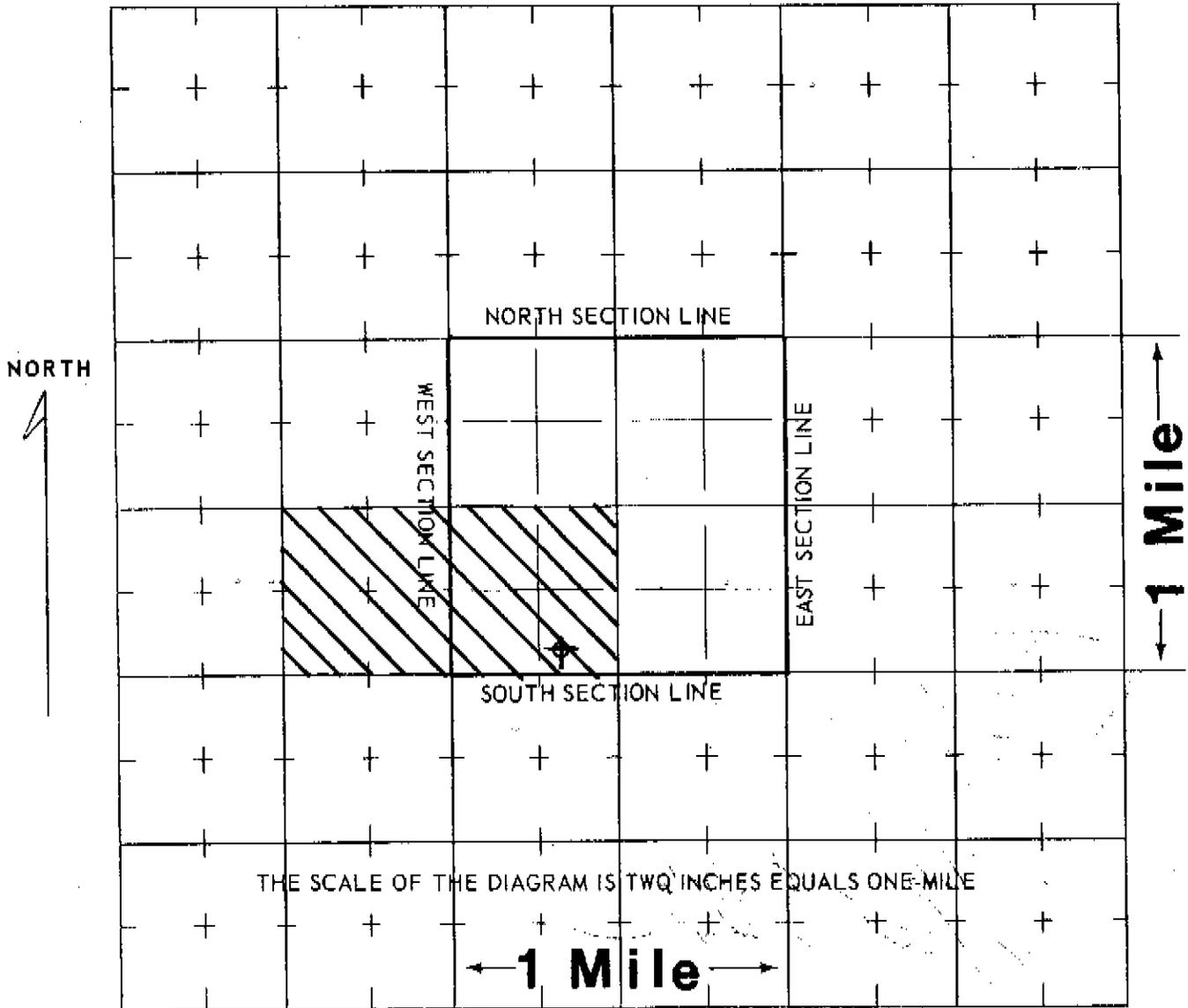
[Signature]
Assistant
STATE ENGINEER

BY [Signature]

Well drilled by S & H Drilling Co. Lic. No. _____
 Permanent Pump installed by _____ Lic. No. _____
 Meter Serial No. _____ Flow Meter Date Installed _____
 Owner of land on which water is being used Arapahoe Land and Cattle Co.

THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



WATER EQUIVALENTS TABLE (Rounded Figures)

An acre-foot covers 1 acre of land 1 foot deep.
 1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm).
 1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
 1,000 gpm pumped continuously for one day produces 4.42 acre-feet.
 100 gpm pumped continuously for one year produces 160 acre-feet.

**(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER
 PINK COPY WILL BE RETURNED TO OWNER)**



1 OWNER Fawn Lake Ranch Co
727 Pearl St
Denver CO
80203

PERMIT NO. [REDACTED]
Priority Date 5/7/65
Priority No. 1118
Use (irrigation)
Depth 266 feet
Are there expanded acres under this permit? yes No If yes, see additional sheet.

Division Code 1
County Code 9
Water District 49
Management District Code 8
Designated Basin Code 1

WELL LOCATION SE 1/4 SW 1/4, Section 23, Township 13 S, Range 42 West
40 feet from the S section line, 1500 feet from the W section line.

PERMIT STATISTICS 640 Acre-feet/year, 1200 G.P.M., 320 Acres
Description of irrigated acres Pt of SEC 23, T 13S, R 42W

2 Date Completed _____, Date Issued _____, Beneficial Use must have been by _____, Action Code _____

STAFF COMMENTS _____

Initials _____ Date _____

3 DISTRICT COMMENTS _____

Initials _____ Date _____

4 RESULTS OF ACTION SBU Received? Yes No Reasons Received? Yes No Not required
Comments: _____

PUBLICATION OF SBU AND REASONS Was publication required? Yes No Publication dates _____
Objections received? Yes No If yes, hearing results _____
Was hearing decision appealed? Yes No If yes, court's findings _____

5 Check here when the permit status is clarified Initials Don Date 10-9-84
Check here when Final Permit Information is keypunched Verified Initials _____ Date _____

6 RESULTS OF PRIORITY LIST PUBLICATION Objection received? Yes No If yes, hearing results _____
Was hearing decision appeals? Yes No If yes, findings of the court _____

7 Check when Final Permit fee is received Receipt No. 29993 FINAL PERMIT ISSUED DATE _____

GROUND WATER COMMISSION
OF THE STATE OF COLORADO

FINAL PERMIT

1. The name and address of the permittee: Fawn Lake Ranch Company
727 Pearl Street
Denver, CO 80203
2. Use: Irrigation
3. Priority Date: 5-7-65 Priority Number: 1118
4. Location and description of structure:

A well completed to a depth of 266 feet producing from the Ogallala Formation and located in the SE1/4 of the SW1/4 of Section 23, Township 13 South, Range 42 West of the 6th Principal Meridian at a point 40 feet from the south section line and 1500 feet from the west section line of said section 23, Cheyenne County, Colorado.

5. Amount of Water:

Annual appropriation: 640 acre-feet

Yield: 1200 gallons per minute

Number of acres irrigated: 320 acres

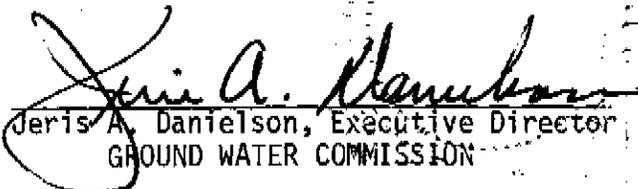
Description of Acreage: Land in the SW1/4, the W1/2 of the SE1/4, the SE1/4 of the NW1/4 and the SW1/4 of the NE1/4 of Section 23.

6. Fee Paid: \$ 10.00

Receipt Number: 29993

FINAL PERMIT NUMBER: 9519-FP

Date Issued: December 23, 1981


Jeris A. Danielson, Executive Director
GROUND WATER COMMISSION

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FEB 06 '78

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STATE ENGINEER
CALIF.

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St.

Denver, Colorado 80203

TYPE OR
PRINT IN BLACK INK
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COUNTY OF DENVER

SS.

AFFIDAVIT

STATEMENT OF BENEFICIAL USE OF GROUND WATER

X AMENDMENT OF EXISTING RECORD

LATE REGISTRATION

PERMIT NUMBER 9519-F
9518-F

LOCATION OF WELL

THE AFFIANT(S) Fawn Lake Ranch Company

County Cheyenne

whose mailing address is 727 Pearl Street

SE 1/4 of the SW 1/4, Section 23

City Denver Colorado 80203

Twp. 13 S Rng. 42 W 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 well is located as described above, at distances of _____ feet from the _____ section line and _____ feet from the _____ section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the _____ day of _____, 19____; the maximum sustained pumping rate of the well is _____ gallons per minute, the pumping rate claimed hereby is _____ gallons per minute; the total depth of the well is _____ feet; the average annual amount of water to be diverted is _____ acre-feet; for which claim is hereby made for _____ purpose(s); the legal description of the land on which the water from this well is used is _____ of which _____

_____ acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water 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) knowledge.

FAWN LAKE RANCH COMPANY (COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) By: Mary Anne Carroll, President

Subscribed and sworn to before me on this 2nd day of February, 19 78

My Commission expires 11-2-81

Josie Leman
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO PURSUANT TO THE FOLLOWING CONDITIONS:

89656

FOR OFFICE USE ONLY	
Court Case No.	_____
Prior.	_____ Mo. _____ Day _____ Yr. _____
Div.	<u>1</u> City <u>09</u>
Sec.	_____ 1/4 _____ 1/4 _____ 1/4
Well Use	<u>6</u>
Dist.	<u>49</u> Basin <u>1</u> Man. Dis. <u>8</u>

DATE

STATE ENGINEER

BY

Well drilled by _____ Lic. No. _____

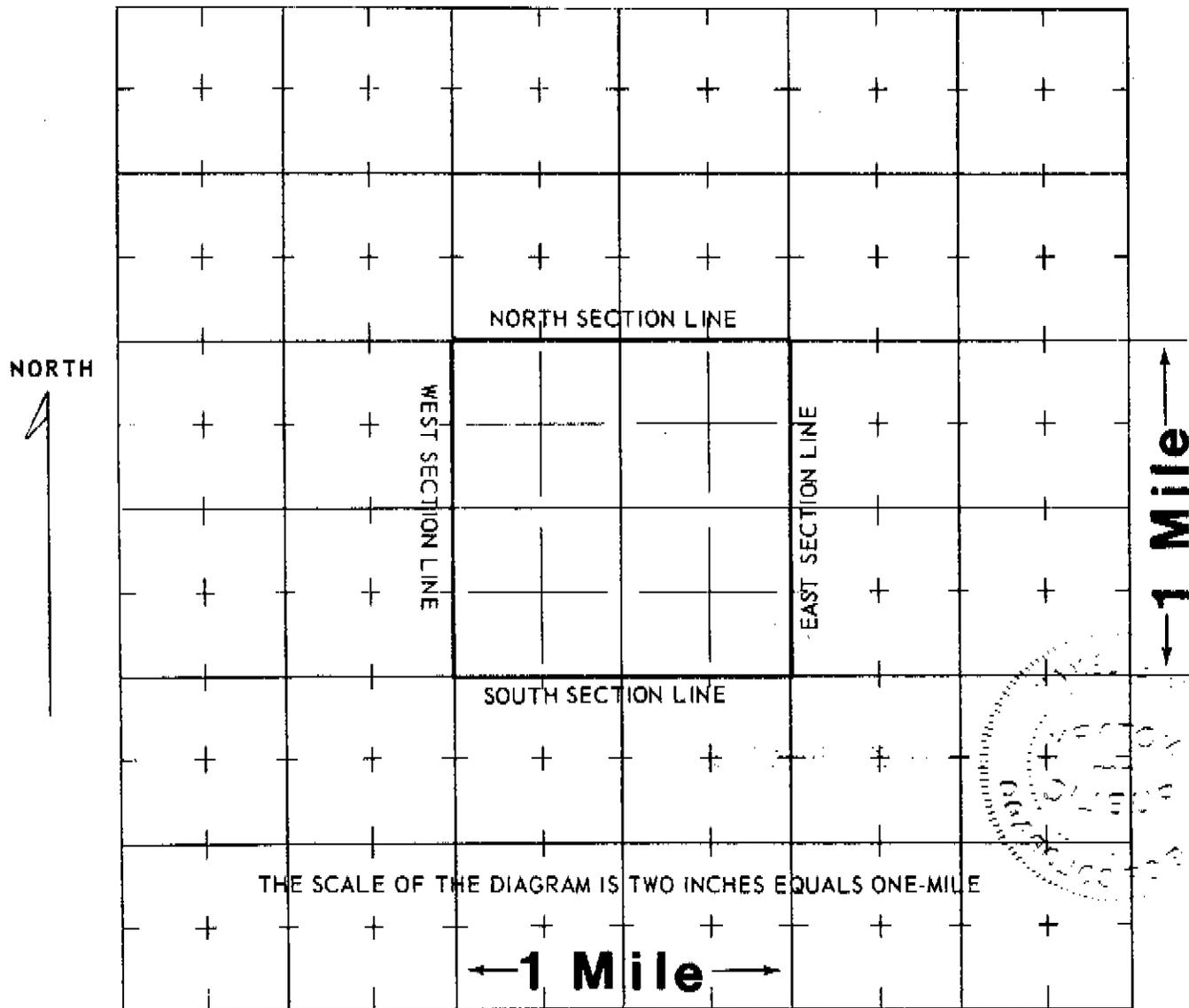
Permanent Pump installed by _____ Lic. No. _____

Meter Serial No. _____ Flow Meter Date Installed _____

Owner of land on which water is being used _____

THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



WATER EQUIVALENTS TABLE (Rounded Figures)

- An acre-foot covers 1 acre of land 1 foot deep.
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- 1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
- 1,000 gpm pumped continuously for one day produces 4.42 acre-feet.
- 100 gpm pumped continuously for one year produces 160 acre-feet.

**(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER
PINK COPY WILL BE RETURNED TO OWNER)**

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

Ent

REC
 JUN 27 1968
 GROUND WATER SECT.
 COLORADO
 STATE ENGINEER

Index No. 1399
 IDWD 2-49
 Use 6
 Registered _____

MAP AND STATEMENT FOR WATER WELL FILING

PERMIT NUMBER 9519-F

Know all men by these presents: That the undersigned Jeanne S. James claimant(s), whose address is _____, City Burlington, Colo. states: Claimant(s) is (are) the owner(s) of well No. 5 located as shown on the map below; the total number of acres of land owned by him (them) to be irrigated from this well is 320; work was commenced on this well by actual construction 6 day of June, 1968; the tested capacity of said well is 1200 (gpm) (cfs), for which claim is hereby made for Domestic purposes; that the average annual amount of water to be diverted is 640 acre-ft.; and that the aforementioned statements are made and this map and statement are filed in compliance with the law.

State of Colorado)
 County of Cheyenne) ss

Jeanne S. James
 Claimant(s)

Subscribed and sworn before me this 26 day of June, 1968.

My Commission expires 12/22/71

Shirley M. Stegler
 Notary Public



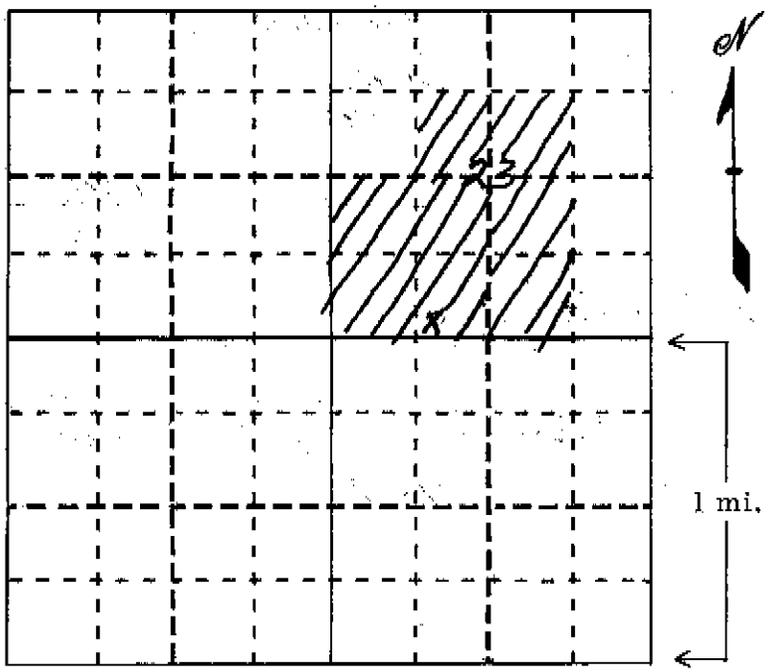
MAP

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

40 feet from South (North or South) section line
1500 feet from West (East or West) section line

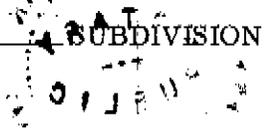
IF WELL IS FOR IRRIGATION, THE AREA TO BE IRRIGATED MUST BE SHADED OR CROSS-HATCHED.

The square below will be used to indicate the location of the well and the irrigated land.



WELL LOCATION 09
Cheyenne County
SE 1/4 Sec 1/4, sec. 23
 T. 13^S, R. 42^W, 6 P. M.
 Ground Water Basin Hopt Plains
 Water Management District _____

Domestic wells may be located by the following: LOT _____, BLOCK _____



ACCEPTED FOR FILING IN THE OFFICE OF THE STATE ENGINEER OF COLORADO ON THIS _____ DAY OF _____, 19____.

State Engineer

LOG AND HISTORY

WELL LOG

WELL DATA

Ground Elevation _____

Date Started June 6-1968

Type Drilling Reverse Rotary

Date Completed June 9-1968

From	To	Type of Material	Water Loc.	Perf.
120	147	M gravel	120	
147	159	F, Sand-gravel		
159	162	Clay-Sand Stone		
162	173	g gravel		
173	178	" clay		
178	179	g gravel		
179	187	part clay-sand		
187	191	clay		
191	211	g gravel		
211	216	" clay		
216	227	good g gravel		
227	235	Clay-Sand Stone		
235	245	g gravel		
245	246	clay		
246	256	g gravel		
256	260	clay		
260	264	g gravel		
264	266	cecrete		

Hole Diameter:
26 in. from 0 ft. to 266 ft.
 _____ in. from _____ ft. to _____ ft.
 _____ in. from _____ ft. to _____ ft.

CASING RECORD
 Cemented from Surface Pad
Plain Casing
 Size 16, kind Std from 0 ft. to 156 ft.
 Size _____, kind _____ from _____ ft. to _____ ft.
 Size _____, kind _____ from _____ ft. to _____ ft.
Perforated Casing
 Size 16, kind Std from 156 to 266 ft.
 Size _____, kind _____ from _____ ft. to _____ ft.
 Size _____, kind _____ from _____ ft. to _____ ft.

TEST DATA
 Date Tested June 9-1968
 Type of Pump Turbine
 Length of Test 8 hrs
 Constant Yield 1700
 Drawdown 20

PUMP DATA (To be filled in)
 Type of Pump Turbine
 Outlet Size 10
 Driven by N.C.
 Horsepower 90

Use additional paper if necessary to complete log and attach.

State of Kansas
 County of Sherman) ss

WELL DRILLERS STATEMENT DEPTH TO WATER 120
 TOTAL DEPTH 266

S.H. Drilling Co. being duly sworn, deposes and says: he is the driller of the above described well; he has read the above map and statement, knows the content thereof, and the same is true of his own knowledge.

Charles R. Drilling Co.

License No. 457

Subscribed and sworn to before me this 13 day of June, 1968.

My Commission expires Oct 26, 1969.

Manfred Kerk
 Notary Public



FORM TO BE MADE OUT IN QUADRUPPLICATE:
 Original WHITE (both sides) & Triplicate GREEN Copy must be filed with the State Engineer within 30-days after well is completed. Duplicate PINK copy is for the Owner & YELLOW copy for the Driller. WHITE FORM MUST BE AN ORIGINAL COPY ON BOTH SIDES AND SIGNED.

Form C Rev. 9-62/19M

APPLICATION FOR

STATE OF COLORADO
 A PERMIT TO USE GROUND WATER
 A PERMIT TO CONSTRUCT A WELL

RECEIVED
MAY 7 1965
GROUND WATER SECT

Applicant James J. James

P.O. Address 1200 E. 1st St. Denver, Colo.

Quantity applied for 1200 gpm or AF Storage

Used for Auger Test Purposes

on/at 370 (legal description of land site)

Total acreage irrigated and other rts. ESTIMATED DATA OF WELL

Hole size: 20 in. to 2 1/2 ft. in. to ft.

Casing Plain 1 1/2 in. from 2 to 160 ft. in. from to ft.

Open or Perf. 1 1/2 in. from 110 to 2 1/2 ft. in. from to ft.

PUMP DATA: Type Electric HP 110 Size S Outlet

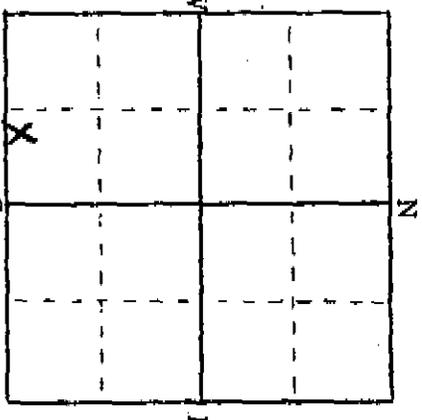
Use initiation date Jan 1965 (Use Supplemental pages for additional data)

THIS APPLICATION APPROVED
PERMIT NO. 9519-F
ISSUED: MAY 7 - 1965
DATE 19

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

Street Address or Lot & Block No. _____

Town or Subdivision _____



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.

Applicant James J. James
Agent or Driller Charles J. James No. 457
Address 1200 E. 1st St. Denver

NOTE - SATISFACTORY COMPLETION REQUIRED FOR APPROVAL OF APPLICATION

9519-56
James J. James
1-7-66

Wheat Farms
Livestock & Grain

Jeannie L. James

APR 30 1968
GROUND WATER SECT
COLORADO
STATE ENGINEER

Man. J. M.

Dear Sir:

I talked with Mr. Eker on the phone Monday in regard to renewing my water permit - He tells me to write you & you are having a meeting Wed. when this would be considered

I received this permit # 9519 F on May 7-65 - then decided I ^{didn't} want to put this well down - do I have to pay my \$25⁰⁰ fee again - or what?

This permit was for a test hole put down in Cheyenne County - on the SE 1/4 of SW 1/4 of Sec 23 - Twp - 13S - Rge 42W 6 P.M. my agent or driller was S. & H. Drilling Co. of Goodland, Ka - # 457

Would you be kind enough to let me know immediately in regard to this - so we could get it down in time

to use it get this season?
Thank you very much.

Sincerely

Jeannie L. James.
Burlington,
Colo
Box 398

JOHN A. LOVE
Governor



A. RALPH OWENS
State Engineer

DIVISION OF WATER RESOURCES

101 COLUMBINE BUILDING
1845 SHERMAN STREET
DENVER, COLORADO 80203

May 24, 1968

Ms. Jeanie L. James
Box 398
Burlington, Colorado 80807

Dear Ms. James:

RE: Permit No. 9519 F

The Colorado Ground Water Commission considered your request for a renewal of this permit at their meeting on May 15, 1968.

It was their opinion that since this permit had never been officially cancelled, it did not have to be renewed. Therefore, this well can be drilled anytime within the next 30 days.

If you have any questions on this please feel free to contact us.

Very Truly Yours,

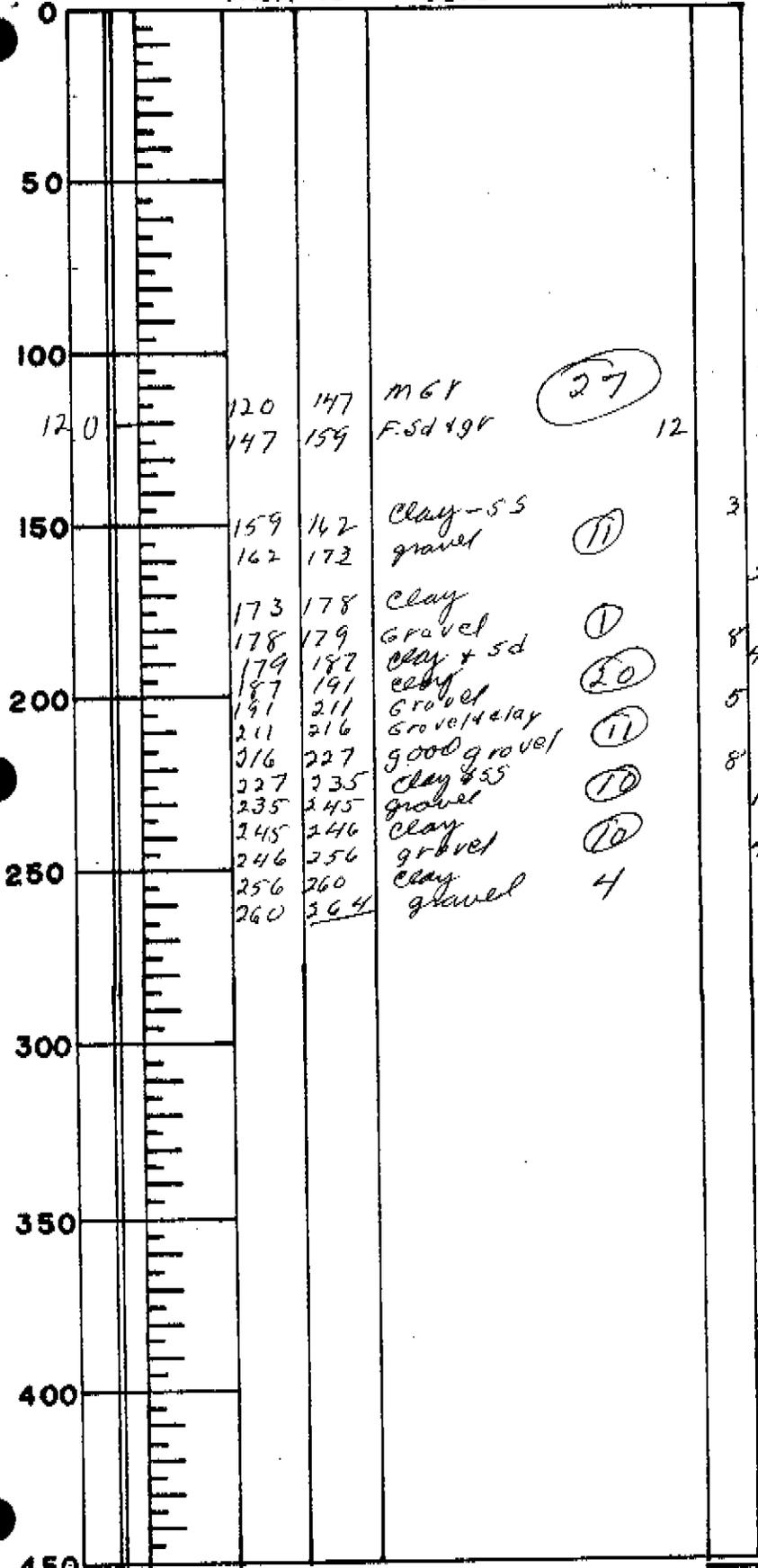
Harlan W. Erker
Senior Water Resource Engineer
Ground Water Section

HVE:ps
Enclosure

PERMIT NO. 9519-F

LOCATION SE 1/4 SW 1/4 SEC. 23, T. 13 S, R. 42 W.

FROM TO DESCRIPTION 1 2 3 4 5



HOLE DIAM. _____ INCHES TOTAL
CASING DIAM. _____ INCHES

DRILLER _____
DATE DRILLED _____

PUMP INSTALLER _____
DATE INSTALLED _____
PUMP INTAKE DEPTH _____

PUMP TEST:
DATE TESTED _____
TESTED BY _____
LENGTH OF TEST (hr.) _____
DRAWDOWN (ft.) 20
YIELD (gpm) 1700
SPECIFIC CAPACITY (gpm/ft.d.d.) 85
 $\frac{\text{DRAWDOWN}}{\text{SAT. THICK}} \times 100 = \text{_____} \%$

SURFACE ELEVATION _____
DEPTH TO BEDROCK _____ EL. _____
DEPTH TO WATER _____ EL. _____
SATURATED THICK. 144
EFFECTIVE SATURATED THICK. _____
 $\frac{\text{EFF. SATURATED THICK.}}{\text{SATURATED THICK.}} \times 100 = \text{_____} \%$

REMARKS:
1 2 3 4 5
94 12 0 24 14
23.5 2.4 0 1.2 .42
144) 27.52

PERMIT NO. _____

CLAIMANT _____

ADDRESS _____

LOCATION OF WELL:

CTY. _____, 1/4, 1/4 SEC. _____

TWP. _____, RNG. _____ W., 6TH P.M.

_____ ft. from _____ SEC. LINE

_____ ft. from _____ SEC. LINE

YIELD _____ GPM ANNUAL APPROP. _____ AC. FT.

NUMBER OF ACRES _____

DESCRIPTION OF ACRES _____

SPECIAL CONDITIONS OF APPROVAL AND REMARKS:

DATE OF FIRST USE _____

TENTATIVE PRIORITY DATE _____

FIELD INSPECTION REPORT

CHANGES OF INFORMATION LISTED ABOVE:

METER: TYPE _____ SERIAL # _____
READING _____ MAKE _____

POWER: ELECTRIC NATURAL GAS PROPANE
DIESEL GASOLINE

TYPE OF IRRIGATION: FLOOD SOLID SET
CENTER PIVOT POINT TOW LINE

IF CENTER PIVOT POINT, ARE CORNERS IRRIGATED?

TYPE OF CROP: GRASS BEANS BEETS CORN MILO ALFALFA WHEAT BARLEY OTHER _____

REMARKS:

SIGNATURE OF INSPECTOR _____ DATE _____

1 MILE, 5280 FEET

NORTH SECTION LINE

SOUTH SECTION LINE

WEST SECTION LINE

EAST SECTION LINE

NORTH



1 MILE, 5280 FEET

NORTH SECTION LINE

SOUTH SECTION LINE

WEST SECTION LINE

EAST SECTION LINE

NORTH





OFFICE OF THE STATE ENGINEER
DIVISION OF WATER RESOURCES

1313 Sherman Street-Room 818
Denver, Colorado 80203
(303) 866-3581

December 23, 1981

Fawn Lake Ranch Company
727 Pearl Street
Denver, CO 80203

Dear Sir:

A final permit, #9519-FP, Priority #1118 for a well located in the SE1/4 of the SW1/4 of Section 23, Township 13 South, Range 42 West of the 6th Principal Meridian, will be issued upon receipt of \$10.00 fee as required by C.R.S. 1973, 37-90-116(1)(b).

The terms of the permit are based on the final priority list for the Northern High Plains Designated Ground Water Basin, which was adopted by the Ground Water Commission on April 28, 1972. Any differences between the final permit and the information published in the priority list are based on changes in registration, location, and any adjustments that were made during and as a result of the hearings held relative to the final priority list.

Final permits are being issued for those wells on the priority list with a priority date prior to May 17, 1965, pursuant to C.R.S. 1973, 37-90-109(5).

Very truly yours,

Leonard A. Mercer
Supervising Engineer
Designated Basins

LAM:mm
Enclosure

cc: Eastern Cheyenne Ground Water Management District

RECEIVED

AUG 31 1982

Mr. Leonard Mercer
Division of Water Resources
August 20, 1982
Page 2

WATER RESOURCES
STATE - ENGINEER
COLORADO

Index of Record Amendment
Conveying Ownership to Arapahoe Land and Cattle Company

	<u>Permit No.</u>	<u>Prior Owner of Record</u>
1.	9159-F ^{wsp} 9519-F	Fawn Lake Ranch Company
2.	19934-F	Fawn Lake Ranch Company
3.	19935-F	Fawn Lake Ranch Company
4.	19936-F	Fawn Lake Ranch Company
5.	19937-F	Fawn Lake Ranch Company
6.	19938-F	Fawn Lake Ranch Company
7.	19939-F	Fawn Lake Ranch Company
8.	19940-F	Fawn Lake Ranch Company
9.	19941-F	Fawn Lake Ranch Company
10.	19942-F	Fawn Lake Ranch Company
11A.	9530-F	Jack Steele (1)
11B.	17962-F	Jack Steele (1)

Note: Permit No. 17962-F is an increased appropriation of the designated well no. 9530-F (see File No. AD-3682, August 20, 1982)

12.	15355-F	Jack M. Steele (1)
13.	16998-F	Jack M. Steele (1)
14.	18895-F	3 - 2 Farms, Inc. (1)
15.	19030-F	3 - 2 Farms, Inc. (1)

(1) 3 - 2 Farms, Inc. and Jack M. Steele, President, 3 - 2 Farms, conveyed all right, title and interest in the referenced wells to the Fawn Lake Ranch Co. April 21, 1978 via the enclosed assignment. No amendment or record has apparently been filed with the Division of Water Resources.

RECEIVED

AUG 31 1982

WATER RESOURCES
STATE ENGINEER
COLO.

ARAPAHOE LAND AND CATTLE COMPANY

1525 Market Street, Suite 300 • Denver, Colorado 80202
Rte. 1, Virginia, Nebraska 68458

(303) 572-0033
(402) 688-4261

August 24, 1982.

Recd # 29499

Mr. Leonard Mercer
Supervising Engineer
Division of Water Resources
1313 Sherman St., Room 818
Denver, CO 80203

RE: Amendment of Existing Record
East Cheyenne Management District

Dear Mr. Mercer:

Enclosed are amendments of existing record, warranty and bargain and sale deeds, and assignment of permits conveying the ownership of 15 irrigation wells itemized on the enclosed attachments to the Arapahoe Land and Cattle Company.

Several of the amendments include modifications of the designated lands irrigated to bring them into conformance with existing improvements. A summary of those corrections is attached.

I have included a check for \$16 for filing fees on the enclosed amendments. Please give me a call if there is any additional information that I may provide.

Sincerely,

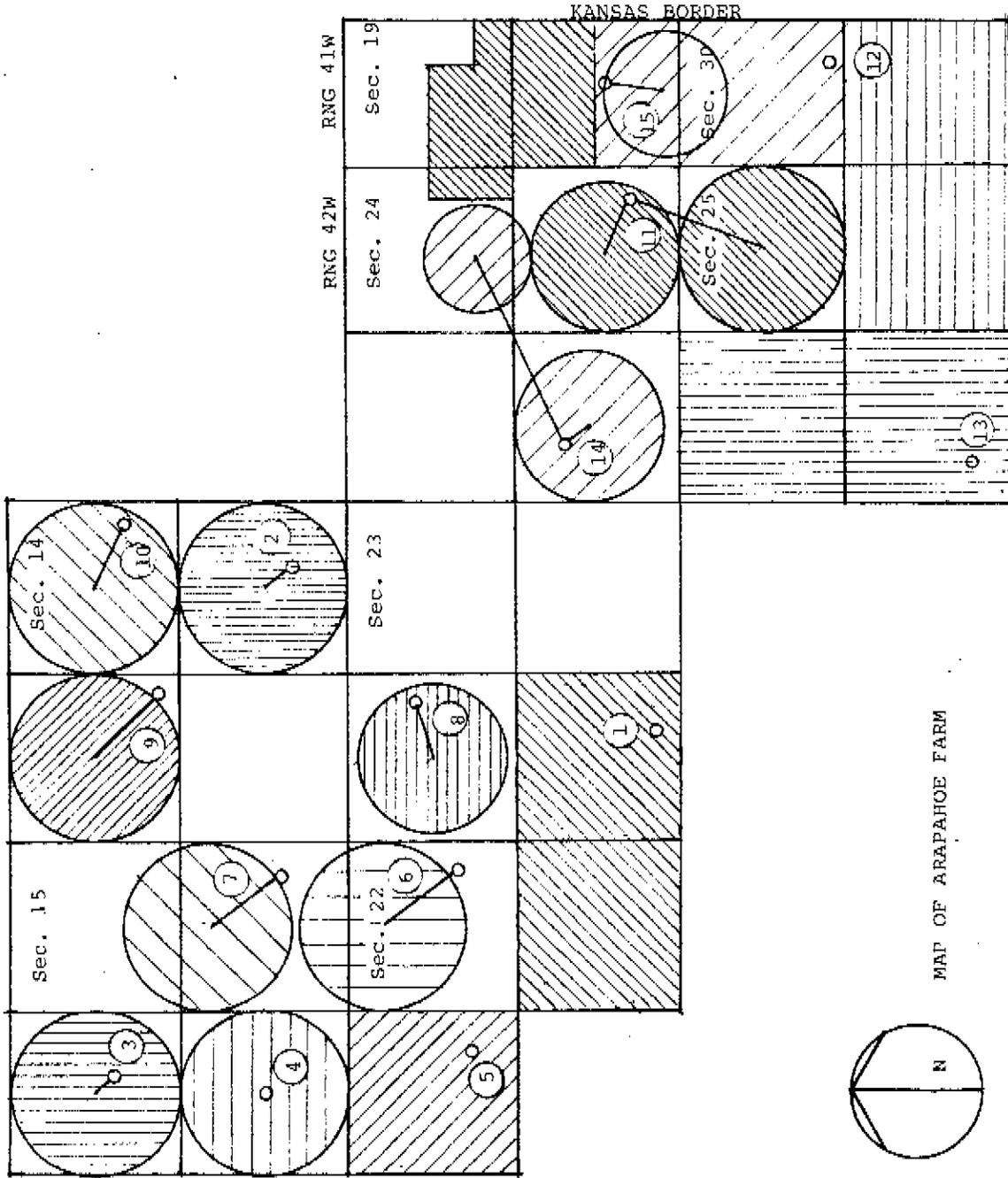


Doug Swenson

DS/cr

enclosure

RECEIVED
AUG 31 1982
WATER RESOURCES
STATE ENGINEER
COLOR.



MAP OF ARAPAHOE FARM

SUMMARY OF DESIGNATED LANDS MODIFICATION

Permit No.	Appropriation	Acres	Current Irrigation	Prior Description
1. 9519-F	640 ac-ft	320	SE $\frac{1}{4}$ Sec.22 and SW $\frac{1}{4}$ Sec.23	SW $\frac{1}{4}$ and SE $\frac{1}{4}$ NW $\frac{1}{4}$ and SW $\frac{1}{4}$ NE $\frac{1}{4}$ and W $\frac{1}{2}$ SE $\frac{1}{4}$ Sec.23
2. 19934-F	200	130		
3. 19935-F	200	130		
4. 19936-F	200	130		
5. 19937-F	200	160		
6. 19938-F	200	130	SE $\frac{1}{4}$ Sec.15 and NE $\frac{1}{4}$ Sec.22	NE $\frac{1}{4}$ Sec.22
7. 19939-F	130	130	NW $\frac{1}{4}$ Sec.22	SE $\frac{1}{4}$ Sec.15
8. 19940-F	200	130		
9. 19941-F	200	130		
10. 19942-F	200	130		
11. 9530-F	400	160		
11B. 17962-F	300	185.7	verify - see File AD-3682 E $\frac{1}{2}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ and SE $\frac{1}{4}$ Sec.24 and NE $\frac{1}{4}$ Sec.25 and S $\frac{1}{2}$ NW $\frac{1}{4}$ and W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec.19	E $\frac{1}{2}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ and center S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec.24 and W $\frac{1}{2}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec.25 and S $\frac{1}{2}$ NW $\frac{1}{4}$ and W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19
12. 15335-F	775	310	SE $\frac{1}{4}$ Sec.25 and SW $\frac{1}{4}$ Sec.19	S $\frac{1}{2}$ Sec.19
13. 16998-F	700	320		
14. 18895-F	327.5	155	SW $\frac{1}{4}$ and S $\frac{1}{2}$ NE $\frac{1}{4}$ Sec.24	SW $\frac{1}{4}$ and S $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec.24
15. 19030-F	590	236	S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec.19 and NW $\frac{1}{4}$ Sec.30	S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec.19 and W $\frac{1}{2}$ NW $\frac{1}{4}$ and NE $\frac{1}{4}$ Sec.30

RECEIVED

AUG 31 1982

WATER RESOURCES
STATE - ENGINEER
DOLA

RECEIVED

AUG 31 1982

WATER
STATE ENGINEER
BUREAU

ASSIGNMENT

FOR VALUABLE CONSIDERATION, the receipt of and sufficiency of which is hereby acknowledged, 3-2 Farms, Inc. (hereinafter called "Assignor") hereby transfers, assigns and conveys to Fawn Lake Ranch Company and its assigns all of Assignor's right, title and interest in and to, and rights and claims under:

1. All well permits and all applications for well permits for wells located on all of Fractional Sections 19 and 30, Township 13 South, Range 41 West of the 6th P.M. and Sections 24 and 25, Township 13 South, Range 42 West of the 6th P.M., County of Cheyenne, State of Colorado (hereinafter called "the Real Property"), including without limitation well permits numbered 15335-F, 16998-F, 17962-F, 18895-F, and 19030-F.

2. All warranties, benefits, contracts, claims and rights which affect the Real Property or the personal property described on Exhibit A attached hereto and incorporated herein by reference, (hereinafter called "the Personal Property"), or which arose as a result of Assignor's ownership or operation of all or any of the Real or Personal Property.

Dated April 21, 1978.

3-2 FARMS, INC.

Attest:

James M. Steele
Sec.

By

Jack M. Steele, Pres

RECEIVED

SEP 9 '81

WATER ENGINEER

WARRANTY DEED

REC-170
NOV 21 1982
NOTARY PUBLIC
DENVER

FAWN LAKE RANCH COMPANY, a Nebraska corporation, whose address is Suite 500, 90 Madison Street, Denver, County of Denver, State of Colorado, for the consideration of Ten Dollars and other good and valuable consideration in hand paid, hereby sell(s) and convey(s) to Patrick D. Broe as to an undivided 41.5% interest and Jecco Development (Colorado) Inc., a Colorado corporation, as to an undivided 58.5% interest whose legal address is 1525 Market Street, Suite 300, Denver, Colorado 80202, County of Denver, State of Colorado the following real property in the County of Cheyenne, and State of Colorado, to wit:

All of Sections 14, 15, 23, 24 and 25, and the North 1/2 and the Southeast 1/4 of Section 22, all in Township 13 South, Range 42 West of the 6th P.M., and all of fractional Sections 19 and 30, in Township 13 South, Range 41 West of the 6th P.M., and all oil and gas and other minerals lying in, on or under said real property and which are owned by Grantor,

with all its appurtenances, and warrant(s) the title to the same, subject to the matters described on Exhibit A attached hereto and incorporated herein by reference.

Signed this 15th day of December, 1981.

FAWN LAKE RANCH COMPANY,
a Nebraska corporation

Attest:

Michael M. Jensen
Secretary

By: Maxine M. Fiss
President

STATE OF COLORADO)
) ss.
CITY AND COUNTY OF DENVER)

The foregoing instrument was acknowledged before me this 15th day of December, 1981, by Maxine M. Fiss as President and by Michael M. Jensen as Assistant Secretary of Fawn Lake Ranch Company, a Nebraska corporation.

My commission expires: 1/4/83

Mark E. Welch
Notary Public

Address 1700 Broadview
Denver, Co 80290

STATE OF COLORADO)
) ss.
COUNTY OF Denver)

12/15/81
1700 BROADWAY
DENVER, CO 80290

The foregoing instrument was acknowledged before me this 15th day of December, 1981, by Maxine M. Fiss as President and by Michael M. Jensen as Secretary of Fawn Lake Ranch Company.

My commission expires: 1/4/83

Mark E. Wild
Notary Public
Address 1700 Broadway
Denver, Colo 80290

BARGAIN AND SALE DEED

RECEIVED

AUG 31 1982

WATER RESOURCES
STATE ENGINEER
COLO.

FAWN LAKE RANCH COMPANY, a Nebraska corporation, whose address is Suite 500, 90 Madison Street, Denver, County of Denver, and State of Colorado, for the consideration of Ten Dollars and other good and valuable consideration, in hand paid, hereby sell(s) and convey(s) to Patrick D. Broe as to an undivided 41.5% interest and Jecco Development (Colorado) Inc., a Colorado corporation, as to an undivided 58.5% interest whose legal address is 1525 Market Street, Suite 300, Denver, Colorado 80202, County of Denver, State of Colorado, the following real property in the County of Cheyenne and State of Colorado, to wit:

All water and water rights of any type which are appurtenant to the following described real property or which are or may be used on or in connection with the following described real property at the present time or at any time hereafter, including, but not limited to, the following: Adjudicated water rights and decrees and priorities therefor; unadjudicated water rights and appropriations; rights in water from tributary and non-tributary sources, whether surface or underground; conditional water rights; rights existing under well permits issued by the State Engineer; rights and permits in designated ground basins; rights in non-tributary ground water existing by virtue of land ownership; all rights, shares or allotments of water in ditch companies, conservancy districts, or other water distribution organizations and all shares of stock or other instruments evidencing the right to such water; all rights claimed under contract, exchange, plans for augmentation and transfer of water rights; all ditches, canals, reservoirs, pipelines, tunnels, wells, and other structures for diverting and conveying water, and all rights of way and easements therefor:

All of Sections 14, 15, 23, 24 and 25, and the North 1/2 and the Southeast 1/4 of Section 22, all in Township 13 South, Range 42 West of the 6th P.M., and all of fractional Sections 19 and 30, in Township 13 South, Range 41 West of the 6th P.M., County of Cheyenne, State of Colorado,

including, but not limited to, the permits issued by the State Engineer for water appropriated from within the boundaries of the Northern High Plains Designated Groundwater Basin described on Exhibit A attached hereto and incorporated herein by reference.

with all its appurtenances.

Signed this 15th day of December, 1981.

FAWN LAKE RANCH COMPANY,
a Nebraska corporation

Attest:

Michael M. Jurek
Secretary

By: Maureen M. Goss
PRESIDENT

RECEIVED

AUG 31 1982

WATER ADMINISTRATION
STATE-ENGINEER
COLORADO

BARGAIN AND SALE DEED

JECCO DEVELOPMENT (COLORADO) INC., a Colorado corporation,
whose address is 5160 Canyon Drive, Suite 200, Newport Beach, California,
for the consideration of Ten Dollars and other good and valuable consi-
deration, in hand paid, hereby sell(s) and convey(s) to Patrick D. Broe,
whose legal address is 1525 Market Street, Suite 300, City and County
of Denver, State of Colorado, an undivided 58.5% interest in the following
real property in the County of Cheyenne and State of Colorado, to wit:

All water and water rights of any type which are appurtenant
to the following described real property or which are or may
be used on or in connection with the following described
real property at the present time or at any time hereafter,
including, but not limited to, the following: Adjudicated
water rights and decrees and priorities therefor; unadjudi-
cated water rights and appropriations; rights in water from
tributary and nontributary sources, whether surface or
underground; conditional water rights; rights existing
under well permits issued by the State Engineer; rights
and permits in designated ground basins; rights in non-
tributary ground water existing by virtue of land ownership;
all rights, shares or allotments of water in ditch companies,
conservancy districts, or other water distribution organiza-
tions and all shares of stock or other instruments evidencing
the right to such water; all rights claimed under contract,
exchange, plans for augmentation and transfer of water rights;
all ditches, canals, reservoirs, pipelines, tunnels, wells,
and other structures for diverting and conveying water, and
all rights of way and easements therefor, including, but not
limited to, the following permits issued by the State Engineer
for water appropriated from within the boundaries of the
Northern High Plains Designated Groundwater Basin:

1. Name of Well: No. 4
Permit Number: 19935-F
Permit Issued: July 9, 1975
Drilled: February 19, 1976
Statement of Beneficial Use Filed: January 4, 1977
Permitted GPM: 1000 g.p.m.
Total AF/YR: 200 acre-feet
Total Depth: 270 feet
Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 15, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: NW $\frac{1}{4}$ Section 15, Township 13 South, Range 42 West,
6th P.M. (130 acres)
2. Name of Well: No. 5
Permit Number: 19936-F
Permit Issued: July 9, 1975
Drilled: February 23, 1976
Statement of Beneficial Use Filed: January 4, 1977
Permitted GPM: 1000 g.p.m.
Total AF/YR: 200 acre-feet
Total Depth: 300 feet
Location: Center of SW $\frac{1}{4}$ Section 15, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: SW $\frac{1}{4}$ Section 15, Township 13 South, Range 42 West,
6th P.M. (130 acres)

SPECIAL WARRANTY DEED

JECCO DEVELOPMENT (COLORADO) INC., a Colorado corporation, for the consideration of Ten Dollars and other good and valuable consideration in hand paid, hereby sells and conveys to Patrick D. Broe whose legal address is 1525 Market Street, Suite 300, City and County of Denver, State of Colorado an undivided 58.5 percent interest in and to the following real property in the County of Cheyenne, and State of Colorado, to wit:

All of Sections 14, 15, 23, 24 and 25, and the North 1/2 and the Southeast 1/4 of Section 22, all in Township 13 South, Range 42 West of the 6th P.M., and all of fractional Sections 19 and 30, in Township 13 South, Range 41 West of the 6th P.M., and all oil and gas and other minerals lying in, on or under said real property and which are owned by Grantor,

with all its appurtenances, and warrants the title against all persons claiming under it subject to the matters described on Exhibit A attached hereto and incorporated herein by reference, which include four deeds of trust which grantee by acceptance of this deed assumes and agrees to pay.

Signed this 15th day of December, 1981.

JECCO DEVELOPMENT (COLORADO) INC., a Colorado corporation

(SEAL)

ATTEST:

Robert F. Wilson
Assistant Secretary

By: W. Michael Cloudus
Attorney-in-Fact

STATE OF COLORADO)
CITY AND COUNTY OF DENVER) ss.

The foregoing instrument was acknowledged before me this 15th day of December, 1981 by W. Michael Cloudus as Attorney-in-Fact and Robert F. Wilson as Assistant Secretary of Jecco Development (Colorado) Inc., a Colorado corporation.

My commission expires: My Commission Expires April 9, 1983

(SEAL)

Hollie A. Beadell
Notary Public

Address: 1660 Lincoln #1700
Denver, Colorado 8064

1000-1-100

AUG 31 1978

MIN. RESOURCES
STATE DEPARTMENT

3. Name of Well: No. 5
Permit Number: 9519-F
Permit Issued: May 7, 1968
Drilled: June 6, 1968
Permitted GPM: 1200 g.p.m.
Total AF/YR: 640 acre-feet
Total Depth: 266 feet
Location: SE $\frac{1}{2}$ SW $\frac{1}{4}$ Section 23, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Irrigation
Lands Irrigated: SW $\frac{1}{4}$ and W $\frac{1}{2}$ SE $\frac{1}{2}$ and SW $\frac{1}{4}$ Section 23, Township 13 South, Range 42 West, and the SE $\frac{1}{4}$ Section 22, Township 13, Range 42 West, all 6th P.M. (640 acres)

4. Name of Well: No. 6
Permit Number: 19937-F
Permit Issued: July 19, 1975
Drilled: February 19, 1976
Statement of Beneficial Use Filed: January 2, 1977
Permitted GPM: 1000 g.p.m.
Total AF/HR: 200 acre-feet
Total Depth: 272 feet
Location: SE $\frac{1}{2}$ NW $\frac{1}{4}$ Section 22, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: NW $\frac{1}{4}$ Section 22, Township 13 South, Range 42 West, 6th P.M. (160 acres)

5. Name of Well: No. 7
Permit Number: 19938-F
Permit Issued: July 9, 1975
Drilled: February 18, 1976
Statement of Beneficial Use Filed: January 11, 1977
Permitted GPM: 1000 g.p.m.
Total AF/YR: 200 acre-feet
Total Depth: 270 feet
Location: SE $\frac{1}{2}$ NW $\frac{1}{4}$ Section 22, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: S1/3SE $\frac{1}{4}$ Section 15, Township 13 South, Range 42 West, and the N2/3NE $\frac{1}{4}$ Section 22, Township 13 South, Range 42 West, 6th P.M. (130 acres)

6. Name of Well: No. 8
Permit Number: 19939-F
Permit Issued: July 9, 1975
Drilled: February 16, 1976
Statement of Beneficial Use Filed: January 4, 1971
Permitted GPM: 1000 g.p.m.
Total AF/YR: 130 acre-feet
Total Depth: 280 feet
Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 15, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: S1/3NE $\frac{1}{4}$ and N2/3SE $\frac{1}{4}$ Section 15, Township 13 South, Range 42 West, 6th P.M. (130 acres)

7. Name of Well: No. 9
Permit Number: 19940-F
Permit Issued: July 9, 1975
Drilled: May 6, 1976
Statement of Beneficial Use Filed: January 4, 1977
Permitted GPM: 1000 g.p.m.
Total AF/YR: 200 acre-feet
Total Depth: 184 feet
Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 23, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: NW $\frac{1}{4}$ Section 23, Township 13 South, Range 42 West, 6th P.M. (130 acres)

8. Name of Well: No. 13
Permit Number: 19941-F
Permit Issued: July 9, 1975
Drilled: February 24, 1976
Statement of Beneficial Use Filed: January 4, 1977
Permitted GPM: 1000 g.p.m.
Total AF/YR: 200 acre-feet
Total Depth: 210 feet
Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 14, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: NW $\frac{1}{4}$ Section 14, Township 13 South, Range 42 West,
6th P.M.
9. Name of Well: No. 15
Permit Number: 19942-F
Permit Issued: July 9, 1975
Completion Report Filed: N/A
Statement of Beneficial Use Filed: January 4, 1977
Permitted GPM: 1000 g.p.m.
Total AF/HR: 200 acre-feet
Total Depth: 218 feet
Location: SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 14, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: NE $\frac{1}{4}$ Section 14, Township 13 South, Range 42 West, 6th P.M.
10. Name of Well: No. 16
Permit Number: 19934-F
Permit Issued: July 9, 1975
Drilled: February 17, 1976
Statement of Beneficial Use Filed: January 4, 1977
Permitted GPM: 1000 g.p.m.
Total AF/YR: 200 acre-feet
Total Depth: 235 feet
Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 14, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Agriculture
Lands Irrigated: SE $\frac{1}{4}$ Section 14, Township 13 South, Range 42 West,
6th P.M. (130 acres)
11. Name of Well: None
Permit Number: 015335-F
Permit Issued: December 28, 1970
Drilled: February 26, 1971
Statement of Beneficial Use Filed: July 16, 1971
Permitted GPM: 2000 g.p.m.
Total AF/YR: 775 acre-feet
Total Depth: 330 feet
Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 30, Township 13 South, Range 41 West, 6th P.M.
Beneficial Use: Irrigation
Lands Irrigated: SE $\frac{1}{4}$, Section 25, Township 13 South, Range 41 West,
and the SW $\frac{1}{4}$ and S $\frac{1}{2}$ NW $\frac{1}{4}$ Section 30, Township 13 South,
Range 41 West, 6th P.M. (360 acres)
12. Name of Well: None
Permit Number: 016998-F
Permit Issued: March 9, 1973
Drilled: March 21, 1973
Statement of Beneficial Use Filed: January 17, 1974
Permitted GPM: 1800 g.p.m.
Total AF/YR: 700 acre-feet
Total Depth: 272 feet
Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 25, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Irrigation
Lands Irrigated: W $\frac{1}{2}$ Section 25, Township 13 South, Range 42 West,
6th P.M. (320 acres)

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AUG 31 1982

WATER DIVISION
STATE ENGINEER
DALLAS

13. Name of Well: None
Permit Number: 017962-F
Permit Issued: December 18, 1973
Drilled: December 18, 1972
Statement of Beneficial Use Filed: January 17, 1974
Permitted GPM: 2000 g.p.m.
Total AF/YR: 300 acre-feet
Total Depth: 290 feet
Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 24, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Irrigation
Lands Irrigated: N $\frac{1}{2}$ SW $\frac{1}{4}$ and S $\frac{1}{2}$ NW $\frac{1}{4}$ Section 19, Township 13 South, Range 42 West, and E $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ and SE $\frac{1}{4}$ NE $\frac{1}{4}$ and W $\frac{1}{2}$ E $\frac{1}{2}$ SE $\frac{1}{4}$ and E $\frac{1}{2}$ W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 24, Township 13 South, Range 42 West, all 6th P.M., in Cheyenne County, Colorado.
14. Name of Well: None
Permit Number: 019030-F
Permit Issued: November 21, 1974
Drilled: May 7, 1975
Statement of Beneficial Use Filed: January 2, 1975
Permitted GPM: 1600 g.p.m.
Total AF/YR: 590 acre-feet
Total Depth: 290 feet
Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 19, Township 13 South, Range 41 West, 6th P.M.
Beneficial Use: Irrigation
Lands Irrigated: NE $\frac{1}{4}$ Section 25, Township 13 South, Range 42 West, and N $\frac{1}{2}$ Section 30, Township 13 South, Range 41 West, and S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 19, Township 13 South, Range 41 West, all 6th P.M. (236 acres)
15. Name of Well: None
Permit Number: 018895-F
Permit Issued: October 1, 1974
Drilled: May 24, 1975
Statement of Beneficial Use Filed: January 25, 1976
Permitted GPM: 1600 g.p.m.
Total AF/YR: 327.5 acre-feet
Total Depth: 209 feet
Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 24, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Irrigation
Lands Irrigated: S $\frac{1}{2}$ NW $\frac{1}{4}$ and N $\frac{3}{4}$ SW $\frac{1}{4}$ Section 24, Township 13 South, Range 42 West 6th P.M. (155 acres)
16. Name of Well: None
Permit Number: 9530-F
Permit Issued: May 10, 1965
Drilled:
Statement of Beneficial Use Filed:
Permitted GPM: 2000 g.p.m.
Total AF/YR: 500 acre-feet
Total Depth: 275 feet
Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 24, Township 13 South, Range 42 West, 6th P.M.
Beneficial Use: Irrigation

All of Sections 14, 15, 23, 24 and 25, and the North 1/2 and the Southeast 1/4 of Section 22, all in Township 13 South, Range 42 West of the 6th P.M., and all of fractional Sections 19 and 30, in Township 13 South, Range 41 West of the 6th P.M., County of Cheyenne, State of Colorado.

with all its appurtenances.

RECORDED
INDEXED
DEC 16 1981
DENVER

Signed this 15th day of December, 1981.

JECCO DEVELOPMENT (COLORADO) INC.,
a Colorado corporation

Attest:

Robert F. Wilson
Assistant Secretary

By: W. Michael Clardus
Attorney-in-Fact

STATE OF COLORADO)
) ss.
CITY AND COUNTY OF DENVER)

The foregoing instrument was acknowledged before me this 15th day of December, 1981 by W. Michael Clardus as Attorney-in-Fact and by Robert F. Wilson as Assistant Secretary of Jecco Development (Colorado) Inc., a Colorado corporation, on behalf of that corporation.

Witness my hand and official seal.

(SEAL)

Hollia Beadell
Notary Public

Address: 1660 Lincoln #1700
Denver, Colorado 80264

My commission expires: Commission Expires April 9, 1983

Recorded at _____ o'clock _____ M., _____

RECEIVED

Reception No. _____ Recorder.

STATE OF COLORADO,

City and County of Denver } ss.

PATRICK D. BROE _____ of the

City and County of Denver _____, in the State of

Colorado, being first duly sworn, upon oath deposes and says that
ARAPAHOE LAND AND CATTLE COMPANY

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AUG 31 1982

WATER RESOURCES
STATE - ENGINEER
C.O.D.

is the name under which a business or trade is being carried on at _____
1525 Market Street, Suite 300, Denver, Colorado 80202

in the City and County of Denver _____, and State of Colorado.

The full first names and surnames and addresses of all persons who are represented by the
said name of ARAPAHOE LAND AND CATTLE COMPANY are as follows:

PATRICK D. BROE, 1525 Market Street, Suite 300,
Denver, Colorado 80202

282

465

F. J. SERASIN
COUNTY CLERK
DENVER COUNTY

The affiant is (one of the persons) (the person)* carrying on said business or trade under the
above name.

Subscribed and sworn to before me, this 19th day of January, 1982

My commission expires 10/15/85

Witness my hand and official seal.

Notary Public.

*Strike as applicable

NOTE—The foregoing Affidavit must be filed in the county in which any person, partnership or association of persons does business or carries on a trade in the State of Colorado under any other name than the personal name of its constituent members. The Affidavit is to be refiled for any change, whether by withdrawal, additional, or otherwise, of the parties represented by the name. Unless filed, suits for collection of debts may not be prosecuted and failure will warrant a misdemeanor charge which upon conviction carries a fine of not less than \$10.00, nor more than \$500.00. C.R.S. 7-71-101 (1978) et seq.

282 468

092894

1982 JAN 22 PM 3:18

RICHARD D. LAMM
Governor



JERIS A. DANIELSON
State Engineer

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

1313 Sherman Street-Room 818
Denver, Colorado 80203
(303) 866-3581

September 1, 1982

Arapahoe Land & Cattle Company
1525 Market Street, Suite 300
Denver, CO 80202

Dear Sirs:

A final permit, #9519-FP, Priority #1118 for a well located in the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 23, Township 13 South, Range 42 West of the 6th Principal Meridian, will be issued upon receipt of \$10.00 fee as required by C.R.S. 1973, 37-90-116(1)(b).

The terms of the permit are based on the final priority list for the Northern High Plains Designated Ground Water Basin, which was adopted by the Ground Water Commission on April 28, 1972. Any differences between the final permit and the information published in the priority list are based on changes in registration, location, and any adjustments that were made during and as a result of the hearings held relative to the final priority list.

Final permits are being issued for those wells on the priority list with a priority date prior to May 17, 1965, pursuant to C.R.S. 1973, 37-90-109(5).

Very truly yours,

Leonard A. Mercer
Leonard A. Mercer
Supervising Engineer
Designated Basins

LAM:jmm
Enclosures

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SEP 17 1982

WATER RESOURCES
STATE ENGINEER
C.R.G.

ARAPAHOE LAND AND CATTLE COMPANY

1525 Market Street, Suite 300 • Denver, Colorado 80202
Rte. 1, Virginia, Nebraska 68458

(303) 572-0033
(402) 688-4261

Permit # 29993

September 7, 1982

Mr. Leonard Mercer
Division of Water Resources
1313 Sherman St., Room 818
Denver, CO 80203

RE: Final Permit # 9519-FP

Dear Mr. Mercer,

Enclosed is a check for \$10.00 as requested in your letter dated September 1. Thank you for your assistance.

Sincerely,



Doug Swenson

DS/cr

enclosure

DIVISION OF WATER RESOURCES
 STATE ENGINEER'S OFFICE
 DENVER, COLORADO

Date 9/17 1982

RECEIPT 29993

Received of Arapsahoe Land + Cattle Co. (Kiva Management #1)

Address _____ Dollars \$ 10

Amount Received _____ Dollars \$ _____

PLEASE REFER TO RECEIPT NO. WHEN MAKING INQUIRY

<input type="checkbox"/>	Other	<input type="checkbox"/>	License	<input type="checkbox"/>	Sale of Book or Map	<input type="checkbox"/>	Livestock Application
<input type="checkbox"/>	Replace. & Reloc.	<input type="checkbox"/>	Rig	<input type="checkbox"/>	Copy of Records	<input type="checkbox"/>	Erosion Application
<input type="checkbox"/>	Construction	<input type="checkbox"/>	Change of Record	<input type="checkbox"/>	Micro-Film Copy	<input type="checkbox"/>	Plans & Specifications
<input type="checkbox"/>	Late Registration	<input type="checkbox"/>	Objection	<input type="checkbox"/>	Computer Services	<input type="checkbox"/>	Dam Inspector Fee
<input checked="" type="checkbox"/>	Final						

State Engineer mo Check No. 1987 Cash _____ M.O. _____

RECEIPT COPY

Form No.
GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

LIC

WELL PERMIT NUMBER 16998 -FP R
DIV. 8 WD 49 DES. BASIN 1 MD 8

APPLICANT

LARRY J HOSTETLER
PO BOX 486
BURLINGTON, CO 80807-

(719) 342-0665

PERMIT TO CONSTRUCT A WELL

APPROVED WELL LOCATION

CHEYENNE COUNTY
SW 1/4 SW 1/4 Section 25
Township 13 S Range 42 W Sixth P.M.

DISTANCES FROM SECTION LINES

53 Ft. from South Section Line
209 Ft. from West Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: 754054 Northing: 4308227

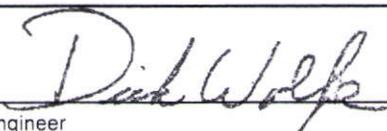
CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-90-111(1)(c) for the replacement of an existing well with permit no. 16998-FP. The old well must be plugged in accordance with Rule 16 of the Water Well Construction Rules. The enclosed Well Abandonment Report form must be submitted within 60 days after the construction of the new well affirming that the old well was plugged.
- 4) The pumping rate of this well shall not exceed 1525 GPM.
- 5) The annual withdrawal of ground water from this well shall not exceed 700 acre-feet.
- 6) Approval of this replacement well permit shall not result in an expanded use of ground water. The use of ground water from this well is limited to the irrigation of 320 acres in the W 1/2, Section 25, Township 13 South, Range 42 West, 6th P.M.
- 7) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 8) Production is limited to the Ogallala aquifer. Plain casing must be installed and grouted to prevent diversion of water from other zones.
- 9) A totalizing flow meter or Commission approved measuring device must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (collected at least annually) and submitted to the East Cheyenne Ground Water Management District and the Ground Water Commission upon request.
- 10) In accordance with the Rules of the East Cheyenne Ground Water Management District, this well must be constructed within 300 feet of the originally permitted location of the old well. The originally permitted location is described as 180 feet from the South section line and 225 feet from the West section line of Section 25, Township 13 South, Range 42 West of the 6th P.M.

NOTE: This well is located within the East Cheyenne Ground Water Management District where local District Rules apply which may further limit the withdrawal and use of designated ground water as authorized under this permit.

NOTE: The above uses correspond to the allowed uses in Final Permit No. 16998-FP.

APPROVED
SMJ


State Engineer


By

Receipt No. 3662304

DATE ISSUED 10-29-2013

EXPIRATION DATE 10-29-2014

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 SHERMAN ST, RM 818, DENVER, CO 80203
phone - info: (303) 866-3587 main: (303) 866-3581
fax: (303) 866-3589 http://www.water.state.co.us

Office Use Only

Form GWS-45 (07/2009)

RECEIVED

OCT 28 2013

WATER RESOURCES
STATE ENGINEER
COLO

GENERAL PURPOSE
Water Well Permit Application

Review instructions on reverse side prior to completing form.
The form must be completed in black or blue ink or typed.

1. Applicant Information

Name of applicant
Larry J. Hostetler
Mailing address
P.O. Box 486
City
Burlington State
CO Zip code
80807
Telephone #
(719) 342-0665 E-mail (Optional)

6. Use Of Well (check applicable boxes)

Attach a detailed description of uses applied for.
 Industrial Dewatering System
 Municipal Geothermal (production or reinjection)
 Irrigation Other (describe):
 Commercial

2. Type Of Application (check applicable boxes)

Construct new well Change source (aquifer)
 Replace existing well Reapplication (expired permit)
 Use existing well COGCC well
 Change or increase use Other:

7. Well Data (proposed)

Maximum pumping rate
1,500 gpm Annual amount to be withdrawn
700 acre-feet
Total depth
275 feet Aquifer
ogallala

3. Refer To (if applicable)

Well permit #
16998 F Water Court case #
Designated Basin Determination # Well name or #

8. Land On Which Ground Water Will Be Used

Legal Description (may be provided as an attachment):
*West 1/2 of section 25-13-42,
totalling 320 Acres*

4. Location Of Proposed Well (Important! See Instructions)

County
Cheyenne SW 1/4 of the SW 1/4
Section
25 Township
13 N of S
 Range
42 E or W
 Principal Meridian
6th
Distance of well from section lines (section lines are typically not property lines)
53 Ft. from N S *209* Ft. from E W
For replacement wells only - distance and direction from old well to new well
about 150 feet *SW* direction
Well location address (include City, State, Zip) Check if well address is same as in item 1.

(If used for crop irrigation, attach a scaled map that shows irrigated area.)

A. # Acres
320 B. Owner
Larry Hostetler
C. List any other wells or water rights used on this land:

Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows:

Format must be UTM
 Zone 12 or Zone 13
Units must be Meters
Datum must be NAD83
Unit must be set to true north
Was GPS unit checked for above? YES Remember to set Datum to NAD83
Easting
754054
Northing
4308227

9. Proposed Well Driller License #(optional):

10. Signature Of Applicant(s) Or Authorized Agent

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.
Sign here (Must be original signature) Date
Larry J. Hostetler *10/28/13*
Print name & title
LARRY J. HOSTETLER - owner

Office Use Only

USGS map name DWR map no. Surface elev.

5. Parcel On Which Well Will Be Located (YOU MUST ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)

A. Legal Description (may be provided as an attachment):
B. # of acres in parcel C. Owner
D. Will this be the only well on this parcel? YES NO (if no - list other wells)
E. State Parcel ID# (optional):

Receipt area only
East Cheyenne does not require referrals

AQUAMAP
WE Transaction # *3662304*
WR Date: *10/28/2013 10:54:32 AM*
CWCB Transaction Total: *\$100.00*
TOPO CREDIT CARD *\$100.00*
MYLAR
SB5 DIV *8* WD *49* BA *1* MD *8*

Best Copy Available

QUIT CLAIM DEED

RECEIVED

OCT 28 2013

WATER RESOURCES
STATE ENGINEER
COLO.

THIS DEED, Made this 25 day of March, 1999, between CURE LAND, LLC, a Colorado Limited Liability Company, Grantor, and LARRY J. HOSTETLER, whose address is 48540 Snead Drive, Burlington, CO 80807, Grantee.

WITNESSETH, That the Grantor, for and in consideration of the sum of Ten Dollars and other good and valuable consideration to the Grantor in hand paid by the Grantee, the receipt whereof is hereby confessed and acknowledged, does remise, release, sell, convey and QUIT CLAIM, unto the Grantee, his heirs, successors and assigns forever, all of the water and water rights including irrigation well permit numbers 15335-F, 16998-FP, 19030-F, and 18895-F used to irrigate the following described lot or parcel of land, situate, lying and being in the County of Cheyenne and State of Colorado, to-wit:

All of Section Twenty-five (25), in Township Thirteen (13) South, Range Forty-two (42) West of the Sixth Principal Meridian;

The Southwest Quarter (SW1/4) of Section Twenty-four (24), in Township Thirteen (13) South, Range Forty-two (42) West of the Sixth Principal Meridian;

The Southerly One hundred Thirty feet (S. 130') of the Northwest Quarter (NW1/4) of Section Twenty-four (24), in Township Thirteen (13) South, Range Forty-two (42) West of the Sixth Principal Meridian;

All of Section Nineteen (19), in Township Thirteen (13) South, Range Forty-one (41) West of the Sixth Principal Meridian, EXCEPT the Northerly Eight hundred and Seventy-eight feet (N. 878') of said Section Nineteen (19), in Township Thirteen (13) South, Range Forty-one (41) West of the Sixth Principal Meridian; and

All of Section Thirty (30), in Township Thirteen (13) South, Range Forty-one (41) West of the Sixth Principal Meridian.

IN WITNESS WHEREOF, the Grantor has hereunto set its hand and seal the day and year first above written.

CURE LAND, LLC, a Colorado Limited Liability Company

By Edward J. Cure
Edward J. Cure, Manager

STATE DOCUMENTARY FEE
Date 3-26-99
\$9.00

STATE OF COLORADO)
) ss.
COUNTY OF KIT CARSON)

The foregoing instrument was acknowledged before me this 25 day of March, 1999, by Edward J. Cure, as Manager of Cure Land, LLC, a Colorado Limited Liability Company.

Witness my hand and official seal.
My commission expires: 11-3-2000

Sharon K. Ziegler
Notary Public



Best Copy Available

NO REAL PROPERTY
TRANSFER DECLARATION
ACCOMPANIED THIS DOCUMENT



STATE OF
COLORADO

DWRPermitsOnline, DNR <dnr_dwrpermitsonline@state.co.us>

RECEIVED

OCT 28 2013

PERMIT APPLICATION

2 messages

SCHAAL DRILLING CO <schaaldrilling@centurylink.net>
To: dwrpermitsonline <dwrpermitsonline@state.co.us>

Thu, Oct 24, 2013 at 3:14 PM

--

Warren Schaal - Director of Operations
Schaal Drilling Co.
Office: (719) 346-8032 Cell: 719-343-5181
schaaldrilling@centurylink.net

 **PERMIT APP - HOSTETLER.pdf**
2315K

DWRPermitsOnline, DNR <dnr_dwrpermitsonline@state.co.us>
To: SCHAAL DRILLING CO <schaaldrilling@centurylink.net>

Thu, Oct 24, 2013 at 4:56 PM

Thank you for your form submittal(s). Please remember to contact our Records Section at 303-866-3581(x0) to provide payment of the necessary fees within one business week, via Visa, MasterCard, or Discover. Office hours are Monday through Friday from 8 a.m. – 5 p.m., excluding government holidays.

Within approximately 2 business days after payment has been received and processed, you may check the status of well permit applications / updates to well permits at: <http://www.dwr.state.co.us/WellPermitSearch/default.aspx>

If you have questions, please contact our Records Section at 303-866-3581(x0).

Jennean McKinney, CDWR Records Technician (ext. 8236)

Check status of permit applications / updates to well permits at: <http://www.dwr.state.co.us/WellPermitSearch/default.aspx>

...

DWR Permits Online
Colorado Division of Water Resources
303-866-3581 (extension 0)
<http://water.state.co.us/Home/Pages/default.aspx>

COLORADO DIVISION OF WATER RESOURCES
101 Columbine Bldg., 1845 Sherman St., Denver, Colorado 80203

RECEIVED
JUL 24 74
WATER RESOURCES
STATE ENGINEER
COLO.

PERMIT APPLICATION FORM

Application must be complete where applicable. Type or print in BLACK INK. No overstrikes or erasures unless initialed.

- (X) A PERMIT TO USE GROUND WATER
- () A PERMIT TO CONSTRUCT A WELL
- FOR: () A PERMIT TO INSTALL A PUMP
- () REPLACEMENT FOR NO. _____
- () OTHER _____

RECEIVED
AUG 01 74
WATER RESOURCES
STATE ENGINEER
COLO.

(1) APPLICANT - mailing address

NAME ⁽²⁾ 3-2 FARMS, Inc.
 STREET P.O. D#6
 CITY ARAPAHOE Colo. 80802
(State) (Zip)
 TELEPHONE NO. (303) 767-5516

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 54257 / _____
 Basin 1 Dist. 8 E-C

CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

THE ISSUANCE OF THIS PERMIT IS CONDITIONAL ON MEASUREMENT OF ANNUAL GROUND WATER WITHDRAWAL BY A METHOD AND PROCEDURE SATISFACTORY TO THE GROUND WATER COMMISSION UNDER EXISTING POLICY.

ANNUAL APPROPRIATION LIMITED TO 387.5 ACRE-FEET.

Lam-10-1-74

(2) LOCATION OF PROPOSED WELL

County Cheyenne
NW 1/4 of the SW 1/4, Section 24
 Twp. 13 S, Rng. 42 W, 6th P.M.

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 1200
 Average annual amount of ground water to be appropriated (acre-feet): 400-acre feet
 Number of acres to be irrigated: 155 ^{387.5}
 Proposed total depth (feet): 211 feet
 Aquifer ground water is to be obtained from:
Ogallala
 Owner's well designation _____

GROUND WATER TO BE USED FOR:

- () HOUSEHOLD USE ONLY - no irrigation (0)
- () DOMESTIC (1) () INDUSTRIAL (5)
- () LIVESTOCK (2) (X) IRRIGATION (6)
- () COMMERCIAL (4) () MUNICIPAL (8)
- () OTHER (9) _____

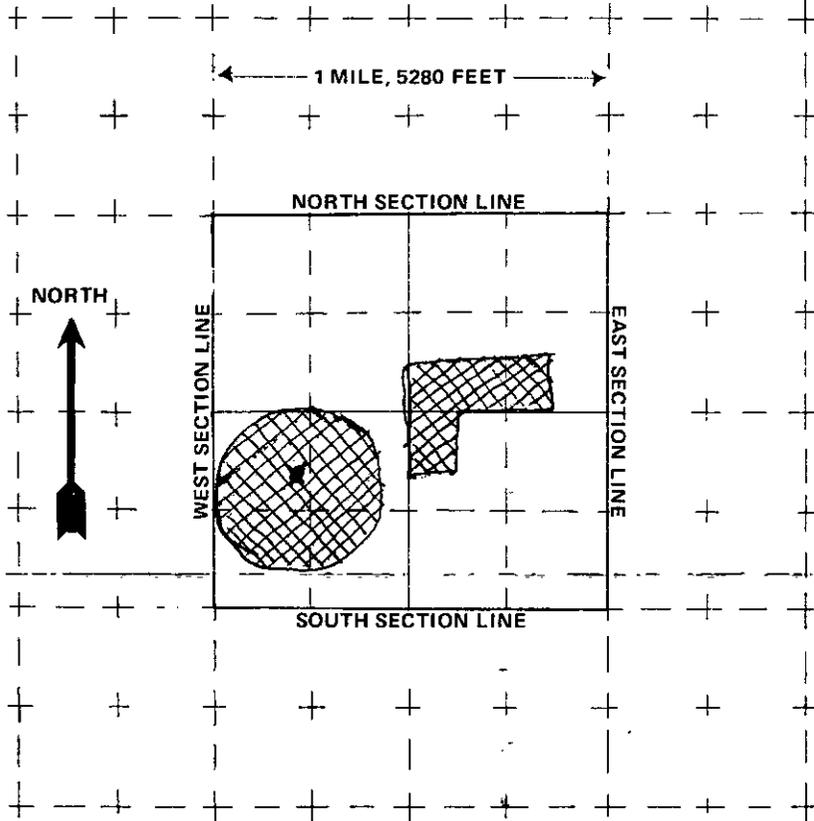
APPLICATION APPROVED

PERMIT NUMBER 018895-F
 DATE ISSUED OCT 1 1974
 EXPIRATION DATE OCT 1 1975
A. W. Erker
 DEPUTY (STATE ENGINEER)
 BY Leonard Q Mercer
 I.D. 1-49 COUNTY 09

(4) DRILLER

Name S 2 H Drilling Co. Inc.
 Street P.O. Box 413
 City Goodland KAN. 67735
(State) (Zip)
 Telephone No. (913) 899-3656 Lic. No. 457

(5) **THE LOCATION OF THE PROPOSED WELL** and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile
Each small square represents 40 acres.

WATER EQUIVALENTS TABLE (Rounded Figures)

An acre-foot covers 1 acre of land 1 foot deep
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)
A family of 5 will require approximately 1 acre-foot of water per year.
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) **THE WELL MUST BE LOCATED BELOW** by distances from section lines.

1870 ft. from South sec. line
(north or south)

1274 ft. from West sec. line
(east or west)

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION _____

(7) **TRACT ON WHICH WELL WILL BE LOCATED**

No. of acres 155. Will this be the only well on this tract? yes

(8) **PROPOSED CASING PROGRAM**

Plain Casing

16 in. from 0 ft. to 150 ft.

_____ in. from _____ ft. to _____ ft.

Perforated casing

16 in. from 150 ft. to 211 ft.

_____ in. from _____ ft. to _____ ft.

(9) **FOR REPLACEMENT WELLS** give distance and direction from old well and plans for plugging it:

(10) **LAND ON WHICH GROUND WATER WILL BE USED:**

Owner(s): 3-2 FARMS, INC. No. of acres: 155
Legal description: SW 1/4, S 1/2 of NE 1/4, NW 1/4 of SE 1/4 of Sec. 24-135-42W6 PM.

(11) **DETAILED DESCRIPTION** of the use of ground water:

The water will be used to irrigate the various crops raised on the land

(12) **OTHER WATER RIGHTS** used on this land, including wells.

Type or right	Used for (purpose)	Description of land on which used

(13) **THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.**

3-2 Farms, Inc. Jack M. Steele
SIGNATURE OF APPLICANT(S)

FORM NO.
GWS-32
10/84

PUMP INSTALLATION AND TEST REPORT
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

RECEIVED

NOV 14 1997

WATER RESOURCES
STATE ENGINEER
COLO.

Div 8

1. WELL PERMIT NUMBER 97VE460 207396

2. OWNER NAME(S) Ruben Schaal
Mailing Address PO Box 416
City, St. Zip Burlington, Co. 80807
Phone (719) 346-8032

3. WELL LOCATION AS DRILLED: Sw 1/4 NE 1/4, Sec. 35 Twp. 13 S, Range 42 W
DISTANCES FROM SEC. LINES:
2040 ft. from north Sec. line. and 2310 ft. from east Sec. line.
(north or south) (east or west)
SUBDIVISION: _____ LOT _____ BLOCK _____ FILING(UNIT) _____
STREET ADDRESS AT WELL LOCATION: _____

4. PUMP DATA: Type submersible Installation Completed 11-4-97
Pump Manufacturer Dempster Pump Model No. _____
Design GPM 50 at RPM 3450, HP 7½, Volts 230, Full Load Amps _____
Pump Intake Depth _____ Feet, Drop/Column Pipe Size 2" Inches, Kind PVC Sch 80
ADDITIONAL INFORMATION FOR PUMPS GREATER THAT 50 GPM:
TURBINE DRIVER TYPE: Electric Engine Other _____
Design Head _____ feet, Number of Stages _____, Shaft size _____ inches.

5. OTHER EQUIPMENT:
Airline Installed Yes No, Orifice Depth ft. _____ Monitor Tube Installed Yes No, Depth ft. _____
Flow Meter Mfg. _____ Meter Serial No. _____
Meter Readout Gallons, Thousand Gallons, Acre feet, Beginning Reading _____

6. TEST DATA: Check box if Test data is submitted on Supplemental Form.
Date 11-4-97
Total Well Depth 310' Time _____
Static Level 230' Rate (GPM) 50
Date Measured 11-4-97 Pumping Lvl. _____

7. DISINFECTION: Type HTH Amt. Used 2#

8. Water Quality analysis available. Yes No

9. Remarks _____

10. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge.
[Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR Schaal Drilling, Co. Phone (719) 346-8032 Lic. No. 803
Mailing Address PO Box 416/Burlington, Co. 80807

Name/Title (Please type or print) Schaal Drilling, Co. Signature Ruben Schaal Date 11-13-97
Ruben Schaal/owner

WELL CONSTRUCTION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

1. WELL PERMIT NUMBER 97-VE-460-207396
2. OWNER NAME(S) Ruben Schaal
Mailing Address PO Box 416
City, St. Zip Burlington, Co. 80807
Phone (719) 346-8032

RECEIVED NOV 14 1997
WATER RESOURCES STATE ENGINEER COLO. Div 8

3. WELL LOCATION AS DRILLED: SW 1/4 NE 1/4, Sec. 35 Twp. 13 S, Range 42 W
DISTANCES FROM SEC. LINES: 2040 ft. from north Sec. line. and 2310 ft. from east Sec. line. OR (north or south) (east or west)
SUBDIVISION: LOT BLOCK FILING(UNIT)
STREET ADDRESS AT WELL LOCATION:

4. GROUND SURFACE ELEVATION ft. DRILLING METHOD rotary
DATE COMPLETED 11-3-97 TOTAL DEPTH 310 ft. DEPTH COMPLETED 310 ft.

5. GEOLOGIC LOG: Table with columns Depth and Description of Material (Type, Size, Color, Water Location). Rows include overburden, clay, sand and clay, sand, gravel, sand and clay, gravel and sand, gravel, sand and clay, gravel and sand, gravel.

6. HOLE DIAM. (in.) From (ft) To (ft)
8" 0 310

7. PLAIN CASING Table with columns OD (in), Kind, Wall Size, From(ft), To(ft). Rows include 4.5 PVC .200 0 290 and 5 5/8 steel .188 +1 19.
PERF. CASING: Screen Slot Size: .030
4.5 PVC .200 290 310

8. FILTER PACK: Material silica sand Size 8-12 Interval 250-310

9. PACKER PLACEMENT: Type n/a Depth

10. GROUTING RECORD: Table with columns Material, Amount, Density, Interval, Placement. Rows include cement 15' 15#/gal 1.5-20 gravity and fill-sand 20-250 gravity.

11. DISINFECTION: Type HTH Amt. Used 2#

12. WELL TEST DATA: Check box if Test Data is submitted on Form No. GWS 39 Supplemental Well Test.
TESTING METHOD Temporary pump
Static Level 230ft. Date/Time measured 11-4-97 Production Rate 50 gpm.
Pumping level ft. Date/Time measured Test length (hrs.) one
Remarks

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR Schaal Drilling, Co. Phone (719) 346-8032 Lic. No. 803
Mailing Address PO BOX 416/Burlington, Co. 80807

Name/Title (Please type or print) Schaal Drilling, Co. Ruben Schaal/owner
Signature [Handwritten Signature]
Date 11-13-97

The report must be typed or printed in **BLACK INK**. All changes on the form must be initialed and dated. Attach additional sheets if more space is required. Each additional sheet must be identified at the top by the well owner's name, the permit number, form name/number and a sequential page number. Report depths in feet below ground surface.

This form may be reproduced by photocopy methods, or by computer generation with prior approval by the State Engineer. Photocopy reproductions must retain margins and print quality of the original form.

The original form must be submitted to the State Engineer's Office within 60 days after completing the well or 7 days after the permit expiration date, whichever is earlier.

A copy of the form must be provided to the well owner.

1. Complete the **Well Permit Number** in full.
2. Fill in **Name and Mailing Address of Well Owner** where correspondence should be sent.
3. Complete the blocks for the **actual** location of the well where drilled. If the owner has more than one well serving this property, provide the identification (**Owner's Designation**) for this well. **DO NOT USE THE OWNER SUPPLIED LOCATION** unless a survey has been provided. For wells located in subdivisions the lot, block and subdivision information must also be provided.
4. Report the ground surface elevation in feet above sea level if available. This value may be obtained from a topographic map. Describe the drilling method used to construct the well and the date completed. Indicate the total depth drilled and the actual completed depth of the well.
5. Fully describe the materials encountered in drilling. Do not use formation names unless they are in conjunction with a description of materials.
Examples of descriptive terms include:
Grain size—Boulders, gravel, sand, silt, clay.
Hardness—Loose, soft, tight, hard, very hard.
Color—All materials. Most critical in sedimentary rock.
Depth when water is encountered (if it can be determined).
6. Provide the diameters of the drilled bore hole.
7. The outside diameter, kind, wall thickness and interval of casing lengths must be indicated.
8. Indicate the type and size of filter (gravel) pack and the interval where placed.
9. Indicate the type and setting depth for any packers installed.
10. The density of the grout slurry must be reported and may be indicated as pounds per gallon, gallons of water per sack, total gallons of water and number of sacks used, etc.—Specify the grout-placement method, i.e. tremie pipe or positive displacement. The percentage of additives mixed with the grout should be reported under remarks.
11. Record the type and the amount of disinfection used, how placed and the length of time left in the hole.
12. Report well test data as required by Rule 10.7. Spaces are provided to report all measurements made during the test. The report should show that the test complied with the provisions of the rules. If a test was not performed explain when it will be done. If available, report clock time when measurements were taken.
13. Fill in **Company Name and Address of Contractor** who constructed the well. The report must be signed by the licensed contractor responsible for the construction of the well.

WELL PERMIT NUMBER **207396**
DIV. 8 CNTY. 9 WD 49 DES. BASIN 1 MD 8

APPLICANT

RUBEN SCHAAL
P O BOX 416
BURLINGTON CO 80807-

(719)346-8032

Lot: Block: Filing: Subdiv:

APPROVED WELL LOCATION
CHEYENNE COUNTY

SW 1/4 NE 1/4 Section 35
Twp 13 S RANGE 42 W 6th P.M.

DISTANCES FROM SECTION LINES

2040 Ft. from North Section Line
2310 Ft. from East Section Line

PERMIT TO USE AN EXISTING WELL

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-90-105 as one well used in one commercial business (oil well drilling water supply).
- 4) **Approved for the use of an existing well constructed on 11/3/97 under emergency verbal authorization number 97VE460. This verbal authorization was given to Schaal Drilling Co. on 10/31/97, for license no. 803.**
- 5) The maximum pumping rate shall not exceed 50 GPM.
- 6) The annual withdrawal of ground water from this well shall not exceed 5 acre-feet.
- 7) Production is limited to the Ogallala aquifer. Plain casing must be installed and sealed to prevent diversion of water from other zones.
- 8) A totalizing flow meter must be installed on the well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (collected at least annually) and submitted to the Plains Ground Water Management District and the Division of Water Resources upon request.
- 9) This well must be within 300 feet of the location specified on this permit.
- 10) This well must be plugged according to the Water Well Construction Rules within thirty (30) days of completion of oil well drilling activities.

Note: If a change of use for this well is desired, the land owner must submit a new well permit application requesting the change in use.

Note: Noncompliance with the procedures outlined in the attached information sheet (form GWS-5) may void your well permit.

WS. 12/30/97

APPROVED
JWB

Hal D. Simpson
State Engineer

John W. Bilyard
By

Receipt No. 0423378

DATE ISSUED

JAN 02 1998

EXPIRATION DATE

JAN 02 2000

GENERAL PURPOSE APPLICATION - GENERAL INSTRUCTIONS

This form (GWS-45) should be used for the following well uses: commercial, industrial, agricultural irrigation, municipal, feed lots, central water supply systems, recreation, snowmaking, geothermal, recovery wells and any other uses not otherwise noted in the following list:

- RESIDENTIAL use wells - Use Application Forms GWS-44, GWS-49 or GWS-50
- LIVESTOCK watering on a farm, ranch, range, or pasture (not feedlots) - Use Forms GWS-44 or GWS-50
- MONITORING/OBSERVATION wells - Use Application Form GWS-46
- GRAVEL PITS - Use Application Form GWS-27
- REGISTRATION of an existing well - Use Form GWS-12 (must have been in use prior to May 8, 1972)

FEES This application must be submitted with the required \$60 non-refundable filing fee.
Checks should be payable to COLORADO DIVISION OF WATER RESOURCES.

Applications are evaluated in chronological order. Please allow approximately six weeks for processing.

Applications must be completed clearly, and legibly, in BLACK INK or typed. ALL ITEMS in the application must be completed. Incomplete applications may be returned to the applicant for more information. Do not change or alter the application in any way.

THE LOCATION of the well in item 4 must be correctly and accurately described. The county, quarter/quarter, section, township and range location of the well, principal meridian and location of the well in feet from section lines must be provided.

NOTE: Distances are not necessarily the same distances as the distances from (your) property lines.

For additional assistance in describing the location of your well, review the publication entitled "How to Determine Well Locations" which was provided with your packet, or can be requested from any Colorado Division of Water Resources office.

Indicate in item 5 or provide as an attachment a complete LEGAL DESCRIPTION of the tract on which the well will be located. Indicate the total number of acres and the owner of that land.

Check the applicable box(es) in item 6 indicating the GENERAL USE of the well AND provide a detailed description of use of the well as an attachment to the application.

If the well is to withdraw water from the DAWSON, DENVER, ARAPAHOE, LARAMIE-FOX HILLS OR DAKOTA AQUIFERS, documentation of claimed landownership or consent of the landowner may be required. Please contact the Division of Water Resources for further information. A copy of the Statewide Noncontributory Ground Water Rules are available upon request for \$3.

Indicate in item 8, or provide as an attachment a complete LEGAL DESCRIPTION of the land area on which water from the well will be used. Indicate the total number of acres described and the owner of that land. If agricultural irrigation is a proposed use, provide an accurate map of the land area with proposed irrigated areas drafted or accurately drawn. Section numbers and section lines must be indicated on the map.

Completely describe all OTHER WATER RIGHTS, including wells and surface water rights, used on the described land area. Describe the total land areas irrigated by other wells or water rights. Applicable well permit, well registration or water court case numbers must be indicated. This information may be provided in an attachment.

An ORIGINAL signature must be on each application. The applicant's authorized agent may sign the application if a letter signed by the applicant is submitted with the application authorizing them to act as agent for the purpose of obtaining a well permit.

IF YOU HAVE ANY QUESTIONS regarding any item in the well permit application form, please call the Division of Water Resources Ground Water Information Desk at (303) 866-3587, Ground Water Management District or the nearest Division of Water Resources Field Office located in Greeley (970-352-8712), Pueblo (719-542-3368), Alamosa (719-589-6683), Montrose (970-249-6622), Glenwood Springs (970-945-5665), Steamboat Springs (970-879-0272) or Durango (970-247-1845).

DETAILED INSTRUCTIONS ARE AVAILABLE UPON REQUEST

COLORADO DIVISION OF WATER RESOURCES, 1313 SHERMAN STREET, ROOM 821, DENVER CO 80203
PHONE: (303) 866-3587 (Information), (303) 866-3581 (Main), (303) 866-3447 (Well and Water Rights Records); (303) 866-3589 (Fax)

FORM NO. GWS-9 12/95

STATE OF COLORADO OFFICE OF THE STATE ENGINEER 818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203 (303) 866-3581

For Office Use only

TYPE OR PRINT IN BLACK INK

WELL ABANDONMENT REPORT

(To Report Plugging and Sealing Wells)

PERMIT NUMBER OF PLUGGED WELL 97VE460

RECEIVED NOV 24 1997

WATER RESOURCES STATE ENGINEER COLO.

1. INDIVIDUAL/COMPANY RESPONSIBLE FOR PLUGGING

NAME(S) Ruben Schaal Mailing Address PO Box 416 City, St. Zip Burlington, Co. 80807 Phone (719) 346-8032

Div 8

2. ACTUAL WELL LOCATION: COUNTY Cheyenne

PROPERTY ADDRESS (Address) (City) (State) (Zip) SW 1/4 NE 1/4, Sec. 35 Twp. 13 N. S., Range 42 E. W. 6 P.M. Distances from Section Lines 2040 Ft. from N. S. Line, 2310 Ft. from E. or W. Line.

3. I (we), report that an existing well was plugged and sealed for the following reason(s):

- The well was plugged and sealed as required under the conditions of approval of Well Permit No. 97VE460. The well was not in use and was plugged and sealed. Other (please explain)

4. The well was plugged and sealed according to the Water Well Construction Rules on 11-17-1997.

5. The well was plugged with the following materials placed at the indicated intervals:

Table with 3 columns: AMOUNT AND TYPE OF MATERIAL, METHOD OF PLACEMENT, INTERVAL. Rows include on site materials/sand & clay, 10' cement plug, and intervals of casing removed/ripped in feet.

6. I (we) have read the statements made herein and know the contents thereof, and that they are true to my (our) knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S. the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

Name/Title (Please type or print) Schaal Drilling, Co. Ruben Schaal/owner

Signature [Handwritten Signature]

Date 11-20-97

--INFORMATION-- It is the responsibility of the well owner to have the well properly plugged and sealed. The Well Construction Contractor is responsible for notifying the well owner of the plugging and sealing requirement. This form may be reproduced by photocopy or word processing means.

RULE 15

15.1 General - The plugging and sealing of all wells, monitoring and observation wells, monitoring and observation holes, and test holes, which are no longer intended to be used, is necessary to prevent contamination of ground water and the migration of water through the unused borehole. It is the ultimate responsibility of the well owner to have a well properly plugged and sealed. The well construction contractor or authorized individual is responsible for notifying the well owner of these plugging requirements. Persons authorized to install pumping equipment may plug and seal wells which do not require the removal of casing from more than one aquifer or the ripping or perforating of casing opposite confining layers. All materials used for backfilling shall be clean and free from contaminants. The well casing may be cut off below land surface so that it will not interfere with the anticipated use of the land. If the casing is cut off below land surface, a watertight cover shall be permanently attached to the remaining casing and the excavation shall be filled with materials which are not more permeable than the surrounding soils.

15.2 Unconfined Wells - Wells completed into unconfined aquifers shall be plugged and sealed by filling with drill cuttings, clean sand or clean gravel to the static water level, then with clean native clays, cement or high solid bentonite grout to the ground surface. A permanent watertight cover shall be installed at the top of the casing.

15.2.1 Cathodic protection holes, dewatering wells, horizontal drains, monitoring and observation holes, percolation holes, piezometer holes, sump pumps and test holes shall be plugged and sealed either pursuant to Rule 15.2 or by removing all casing which was installed and by filling the hole(s) with drill cuttings, clean native clays, cement or high solid bentonite grout to within five (5) feet of the ground surface. The top five (5) feet of the hole shall be sealed with materials less permeable than the surrounding soils.

15.3 Confined Wells - Wells which were constructed through more than one aquifer shall be plugged and sealed by placing a grout plug at the confining layer above each aquifer. If records do not show that the casing opposite each confining layer has been grouted when originally installed, the casing shall be either completely removed from the hole, or perforated or ripped opposite such layer prior to placing the grout plug. No plug shall be less than twenty (20) feet in length and shall be designed to withstand the maximum potential pressure differential between the aquifers. The well casing except for the grout plug intervals shall be completely filled to the land surface with clean native clays, cement or high solid bentonite grout. A watertight cover shall be permanently welded or attached to the top of the casing.

COLORADO DIVISION OF WATER RESOURCES EMERGENCY VERBAL REQUEST INFORMATION

GWS-24 (rev. 11/94)
to be completed in INK

DIV 8-1, CO 9, WD 49, BAS 1, MD 8
PERMAN

verbal receipt # 3222957A

FAXED

DATE CALLED IN 10/30/97

Approval # 97 VE 460

TAKEN BY JD (INITIALS), NAME OF CALLER Julie Wheat Approval Given 10/31/97; Given By AE (INITIALS)

APPROVAL GIVEN TO (name, company) Julie Wheat of School Drilling

APPLICANT: Rubm Schaal CONTRACTOR: Schaal School Drilling Co

ADDRESS: Box 416 COMPANY ADDRESS: Box 416 Burlington 80807

Burlington, Co 80807 LIC #: 803; phone: (719) 346-8032

phone: (719) 346-8032 (H) / (O) APPL RECEIPT # & DATE _____

USE OF WELL: oil field supply PERMIT # _____; CASE # _____

PROPOSED LOCATION OF (new) REPLACEMENT WELL: AUG PLAN NAME _____

SW 1/4, NE 1/4, Sec. 35, Twp. 13 S, Rng. 42 W, 6th P.M.

DIST. 2040 from (N) S sec. line, 2310 from (E) W sec. line; County Cheyenne

distance & direction from old well to new well site _____; DEEPEN (circle if deepen)

subdivision info: total # _____ ac.; lot(s) _____ blk. _____ fig. _____ subdv. _____

additional parcel info. / ADDRESS OF WELL _____

REASON FOR EMERGENCY: OUT OF WATER - OCCUPIED RESIDENCE? (yes / no) STOCK ON PASTURE CROP IRRIGATION
(circle) OTHER _____

CASING INFO: DEPTH OF OLD WELL? _____; PROPOSED DEPTH? 300'; AQUIFER? Ogallala; perf. interval 280'-300'

DATE TO START? 11/3/97 faxed in? _____
FIELD INSP. REQ.? (YES) (NO) over for field inspection report information; called in? - date 1/1/

EVALUATING STAFF COMMENTS: oil field supply well - new well
Landowner: M. Adwell

APPROVAL CONDITIONS:

- 1) Production is limited to the Ogallala Aquifer. Plain casing must be installed and grouted to prevent diversion of water from other zones.
- 2) The well shall be used only as an oil drilling water supply well.
- 3) The well must be plugged within 30 days of completion of oil drilling activities.
- 4) Pumping capacity of the well shall not exceed 50 GPM.
- 5) A well permit application form for a small-capacity commercial well permit and \$60 filing fee must be received in this office within 3 working days of the beginning of construction of the well.
- 6) All work reports must be received in this office within 60 days of well completion.
- 7) This verbal approval expires within 60 days of authorization date.

EVALUATED BY: WS (INITIALS); DATE: 10/30/97; APPROVED BY: [Signature]; DATE: 10/30/97

COLORADO DIVISION OF WATER RESOURCES EMERGENCY VERBAL FIELD INSPECTION REPORT

Please complete this form in INK

appl. receipt no(s) _____

DIV. _____ WD _____

DATE OF INSPECTION: _____ / _____ / _____

PURPOSE OF INSPECTION: LATE REG. _____, OTHER _____

APPLICANT: _____ person contacted if not applicant: _____

ADDRESS: _____ W.C. name & phone #: _____

phone: _____

EXISTING WELL LOCATION:

_____ 1/4, _____ 1/4, Sec. _____, Twp. _____, Rng. _____, _____ P.M.

DIST. _____ from N / S sec.line, _____ from E / W sec.line; County _____

(if repl., give dist. & dir. to new well site -- _____)

circle type of existing well: DRILLED, HAND DUG, SPRING WELL, GALLERY WELL, GRAVEL PIT, OTHER _____

any other wells are located on this parcel? (yes) how many _____, (no) permit#, case#, use? _____

EST. DATE WELL CONSTRUCTED _____ DATE OF FIRST USE _____ EST. PUMPING RATE _____ gpm

TOTAL # OF ACRES IN THIS TRACT/PARCEL _____ ACRES

address of property (if different than applicant address): _____

add. subd/parcel info.: _____

acres irrigated (non-exempt/crop irr.) _____ NAME OF AUG. PLAN? _____

USE OF WELL:

- _____ household use in (indicate how many) _____ single family dwelling(s)
- _____ watering of poultry and/or domestic animals ("domestic animals" would include a few cows, horses, etc.)
- _____ watering of livestock on a farm or ranch - approx. how many head? _____
- is this a feed lot? _____; how many head? _____
- _____ (it is important to specify estimated historic lawn/garden irr.) irr. _____ square feet/acre of lawn and/or garden
- _____ fire protection
- _____ commercial - drinking & san. only? (write details in "comments" section)
- _____ other (write details in "comments" section)

yes / no WERE THE USES CHECKED ABOVE INITIATED PRIOR TO MAY 8, 1972?

NOTE: IF ANY CHANGE IN THE HISTORIC USE OF THIS WELL HAS OCCURRED SINCE MAY 8, 1972, please indicate the date(s) the use changed, and discuss this change/and/or expansion of the current/or proposed use in the "comments" section of this form

report taken by: _____; dated: _____ / _____ / _____; called in by: _____

(initials)

additional comments and/or information: _____

STATE OF COLORADO

OFFICE OF THE STATE ENGINEER

Division of Water Resources
Department of Natural Resources

1313 Sherman Street, Room 818
Denver, Colorado 80203
Phone (303) 866-3581
FAX (303) 866-3589



Roy Romer
Governor

James S. Lochhead
Executive Director

Hal D. Simpson
State Engineer

Schaal Drilling Co
Box 416 Burlington
CO 80807
(WELL DRILLER ADDRESS)

VERBAL APPROVAL (97 VE- 460) WAS GIVEN TO YOU, ON Oct 31, 1997
FOR CONSTRUCTION OF A WELL - permit # Oil Drilling Water Supply well

WELL OWNER: Mitchell

LOCATED IN: SW 1/4, NE 1/4, SEC. 35, TWP. 13 S, RNG. 42 W, 6th P.M.
APPROVED

DISTANCES: from 2040 (N) or S sec line; 2310 (E) or W sec line

ADDITIONAL
PARCEL INFO:

DEPTH/CASING restrictions (if specified): plain case and properly seal to minimum depth of 280 feet; total well depth shall not exceed 300 feet; production is restricted to the Ogallala aquifer.

RULE 15.3 REQUIRES SUBMITTAL OF ALL WORK REPORTS TO THIS OFFICE WITHIN 60 DAYS OF WORK DONE IN CONNECTION WITH THIS APPROVAL. It is NOT NECESSARY that you have an APPROVED PERMIT in hand before you submit well construction, pump installation, or well abandonment reports. These reports should be submitted as soon as the work is completed by REFERENCING the above verbal approval number. If a permit has been approved prior to the submittal of these reports, please reference both numbers.

YOU MUST ADVISE the well OWNER of the terms and conditions of this approval, and that the permit application and fee must be filed with this office within 10 days of the issuance of verbal approval. The application should reference the verbal approval number.

PLEASE NOTIFY this office when a verbal approval does not result in the construction of a well. This will help us to maintain better records and will enable us to CLOSE pending files.

VERBAL APPROVALS EXPIRE 60 DAYS FROM THE DATE OF ISSUANCE

THANK YOU FOR YOUR COOPERATION

cc: DIVISION 1 OFFICE

BY: AEE, DATE 10-31-97

