KOLAR Document ID: 1470101

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32953
Name: ANR Pipeline Company
Address 1: 700 LOUISIANA ST SUITE 700
Address 2:
City: HOUSTON State: TX Zip: 77002 + 2700
Contact Person: ALFRED YOUNG
Phone: (832) 320-5794
CONTRACTOR: License # 6427
Name: Rosencrantz-Bemis Enterprises, Inc.
Wellsite Geologist: N/A
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☑ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

7/3/2019	7/12/2019	7/16/2019
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-033-21786-00-00
Spot Description:
SW - NE - NW - NE Sec. 4 Twp. 34 S. R. 19 ☐ East ☑ West
342 Feet from ☑ North / ☐ South Line of Section
1936 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Comanche
Lease Name: MP 26.4 Well #: 1
Field Name:
Producing Formation: N/A
Elevation: Ground: 1968 Kelly Bushing: 0
Total Vertical Depth: 200 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 900 ppm Fluid volume: 42 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: UNDERGROUND CAVERN STABILIZATION
Lease Name: HUTCHINSON License #: 05155
Quarter SW Sec. 14 Twp. 24 S. R. 6 ☐ East ☑ West
County: RENO Permit #: 128-1202

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☐ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ **I** ☐ **II** ☑ **III** **Approved by:** Karen Ritter **Date:** 09/05/2019

Operator Name: ANR Pipeline Company Lease Name: MP 26.4 Well #: 1

Sec. 4 Twp. 34 S. R. 19 ☐ East ☑ West County: Comanche

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☐ Yes	☑ No
Geologist Report / Mud Logs	☐ Yes	☑ No

List All E. Logs Run:

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
N/A	N/A	N/A

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	17	10	11.089	20	I-II PORT	10	N/A

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	ANR Pipeline Company
Well Name	MP 26.4 1
Doc ID	1470101

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	17	10	11.089	20	I-II PORT	10	N/A

MESA

Job No.	10-19-2386	PO/WO No.	E.012383	Date	7/12/2019
Client	TC ENERGY	**Drilling Co.**	**DARLING DRILLING**		
Location	MP 26.4	GPS: Lat:	37.119211	Long:	-99.385978
Calibrated Instrument Used	FLUKE 177	S/N	97001156		

Depth	Logging Volts: 14 Amps	Ohms	Geological Log	Depth	Logging Volts: 14 Amps	Ohms	Geological Log	No.	Depth	No Coke	With Coke
5			0-3' TOP SOIL	205				1	195	0.80	3.10
10			3-7' BROWN CLAY	210				2	185	1.00	3.40
15			7-9' ROCK	215				3	175	0.90	3.70
20				220				4	165	1.00	4.00
25			9-25' BROWN SILTY CLAY AND	225				5	155	1.50	4.10
30			STREAKS OF ROCK	230				6	145	1.30	4.30
35				235				7	135	1.30	4.30
40				240				8	125	1.30	4.20
45				245				9	115	1.30	5.10
50				250				10	105	2.90	4.60
55	1.30	10.77		255				11	95	1.70	4.60
60				260				12	85	1.70	4.10
65	1.00	14.00		265				13	75	1.70	3.20
70				270				14	65	1.00	3.40
75	1.70	8.24		275				15	55	1.30	3.20
80				280				16			
85	1.70	8.24		285				17			
90				290				18			
95	1.70	8.24		295				19			
100				300				20			
105	2.90	4.83		305				21			
110				310				22			
115	1.30	10.77		315				23			
120				320				24			
125	1.30	10.77		325				25			
130				330				26			
135	1.30	10.77		335				27			
140				340				28			
145	1.30	10.77		345				29			
150				350				30			
155	1.50	9.33		355				31			
160				360				32			
165	1.00	14.00		365				33			
170				370				34			
175	0.90	15.56		375				35			
180				380				36			
185	1.00	14.00		385				37			
190				390					Volts	14.00	14.00
195	0.80	17.50		395					Amps	20.70	59.30
200			25-203' RED SHALE SOFT	400					Ohms	0.68	0.24

Hole Dia.:	10"	Total Depth:	200'	Casing:	Feet: 20'	Dia.: 10"	Type:	SDR-21	
No. Anodes:	15	Size and Type:	3884 ANOTEC CAST IRON	Anode Lead:		Size: #6	Type:	AWG HMWPE	
Lbs. Coke:	5,750	Coke Type:	LORESCO SC-3	Top of Coke Column:		50'	Vent:	180'	
Lbs. Plug:	1,500	Plug Type:	BENTONITE	Top of Plug:		5'			

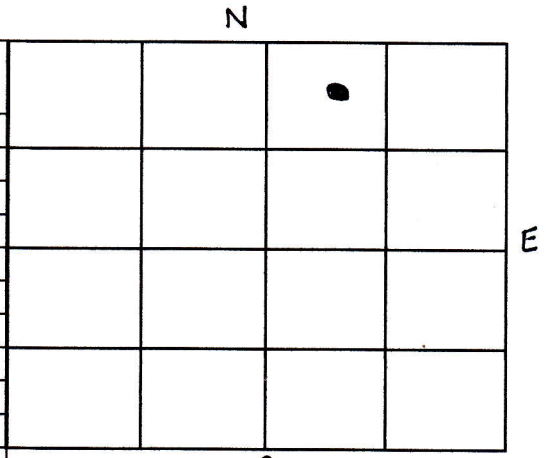
Darling Drilling Company

Telephone (620) 662-7901 3916 W. 56th Ave.
Hutchinson, Ks. 67501

DRILLER'S TEST LOG

Date: 7-12-2019
Name: Mesa/TransCanada
Address: Tulsa, Ok
County: Comanche Co. MP 26.4
Quarter: NE **Section:** 4 **Township:** 34S **Range:** 19W

DRILLED FOOTAGE		DESCRIPTION OF STRATA
From	To	
0	3	Top Soil
3	7	Brown Clay
7	9	Rock
9	25	Brown Silty Clay and Streaks of Rock
25	203	Red Shale Soft



Static water level:
Depth of well: 203ft
Type & size of casing: 10" SDR21
Plain: 0 to 20ft
Perf: n/a
Gravel pack intervals: n/a
Grout material: neat cement 3-20ft
Contamination: none
Direction from well:
Casing above surface: 3ft Below
Bore hole: 17" & 9"

Latitude: 37.11921
Longitude: 099.38568

MACLASKEY OILFIELD SERVICE
CRUDE OIL PURCHASING
HOT OIL TREATING
VACUUM TRUCKS
P.O. BOX 222
EL DORADO, KS 67042
316-321-6011

INVOICE

INVOICE NO.: 14310
INVOICE DATE: 07/15/2019

MESA PRODUCTS, INC.
P.O. BOX 52608
TULSA, OK 74152-1608

MP 26.4 PO#10-19-2386
Kansas Sales Tax

Qty	UM	Description	Tax	Price/Unit	Ext Amt
TICKET # 38250 - 07/12/2019					
10.50	EA	3000 GAL DOT VACUUM BOBTAIL	N	110.00	1,155.00
		EMPTY CUTTINGS CONTAINMENT FOR RIG TWICE			
		KEEP WATER LEVEL DOWN FOR COKE BREEZE PUMPING			
		PULL FREE WATER FROM ROLL OFF BOX AND HAULED TO UCS			
42.78	EA	NON-HAZ LIQUID DISPOSAL	N	7.25	310.16
1.00	HR	WASH OUT TIME	N	95.00	95.00
TOTAL FOR TICKET #		**38250**			**1,560.16**

PLEASE PAY THIS AMOUNT ==========> 1,560.16

Maclaskey Oilfield Services, Inc.
JOB SERVICE TICKET
Mid-Continent Division

P.O. Box 222
El Dorado, Kansas 67042
(316) 321-9011

Date July 12 2019

CHARGE TO: Mesa
PO Box 52608
Tulsa OK 74152

V.O.# 10-19-2386

Billing Information:

Work Location Protection Pad 2 MP 26.4

Truck# 606

Hours 10.5

Rate $1100.00

Maclaskey Disposal (bbls) 42.78 @ $7.25 — Disposal Fee $310.16

Wash Out Time (hours) + 1 hr — Wash Out Fee $95.00

UltraSolve Chemical (gallons) _____ — Chemical Charge _____

Maclaskey Lease Ticket # _____ — Total Charge $1560.16

Job Description: Empty cuttings containment for rig x2
- Keep water level down for Valle breeze pumping
Pull free water from roll-off box
& haul to OCS

TICKET 38250

Driver 7633

Beneficial Reuse Material Approval Number: 128-1202

MATERIAL EMPLACEMENT PERMIT APPLICATION
(Process Knowledge)
BENEFICIAL REUSE MATERIAL SITE
UCS-Hutchinson Facility

GENERAL INFORMATION

Generator/Operator Name: Trans Canada
Address: 450 - 1 Street S.W.
Calgary AB, Canada T2P 5H1

If Applicable
API # _____
KDHE# _____

Billing Name: Maclaskey Oilfield Services
Address: PO Box 222 El Dorado, KS 67042
☐ (check if same as above)

If Applicable
KCC Spill # _____
KDHE Spill# _____

Beneficial Reuse Material description: Mud/Fluids

Is material classified as drilling fluids/mud? X Yes ____ No
Daily field analytical results are required for emplacement of drilling fluids

Quantity: ____ ☐ Tons ☐ Gallons ☐ Drums ☒ Other: ____

Frequency of emplacement: ☐ One Time ☐ Monthly ☐ Weekly ☐ Daily: ☒ Other: ____

Process generating beneficial reuse material: Cathodic protection boring

Beneficial Reuse Material site address *(include county & zip code)*: GPS 37.119271, -99.386582
Site name: MP 264 Comanche County, KS

Generator/Operator Contact: Sean Maclaskey Phone: 316-321-9011 Fax: _____

Transporter Contact: _____ Phone: _____ Fax: _____

MATERIAL CERTIFICATION STATEMENT

I hereby certify that all information contained herein is true and correct, and the material described is properly identified, classified, packaged, labeled, and prepared as indicated. I certify this material is not hazardous or dangerous as defined by the U.S. EPA, or the state or province of origin. I certify this material does not contain any regulated radioactive materials. I certify that all samples used for this analysis are representative of the materials described herein. I will notify the company if there is a change in the composition of, or process generating this material.

Sean K Maclaskey
Name (print)

Authorized representative's signature

OPERATIONS MANAGER
Title

7/10/19
Date

UCS APPROVAL DETERMINATION (to be completed by UCS)

Beneficial Reuse Material Approved for Emplacement? ✓ Yes ____ No
Beneficial Reuse Material Approval Number: 128-1202
Eligible for re-submittal? ____ Yes ____ No
Reason: _____

Steven Pangburn
Name (print)

Authorized representative's signature

Facility Mgr
Title

7-10-19
Date

Form 150 rev. 11/13/14

2019 Beneficial Reuse Material Log
UCS - Hutchinson Facility

Date	Generator		Transporter		Manifest	BRM	Material	BRM Agrees	Scale	Volume	Emplacement	NORM	Weight	Weight				Chlorides	Vehicle Type	
	ID #	Name	Company	Driver	Tracking #	Approval #	Description	w/Paperwork	Ticket #	(Tons)	Location	Reading (random)	Material (Tons)	In (lbs)	Out (lbs)	Volume (bbls)	Volume (cy)	Fluid Density PPG	PPM	pH	Semi Dump	Semi Tank
7/12/2019	128	Maclaskey	Maclaskey	Michael	128-1913	128-1202	Boring muds	YES	942354	11.59	SW-13	0	31.59	55720	31540	42.78	23.80	12.9	800	9.9		X

61841

RHO1

SALINA SOAKIE SALES & SERVICE – SALINA, KS

942354 Date 7-12-19

Seller/
Buyer Mackenzie Oilfield

Address PO Box 222

City El Dorado

State KS Zip 67042

Store _____ Sell _____

Commodity Bromguard - Colloidal Phosphin

Price _____

Driver: On ✓ Off _____

Shipper _____

Weigher _____

Remarks _____

55720 LB 04:32 PM 07/12/19

32540 LB 04:48 PM 07/12/19

BENEFICIAL REUSE MATERIALS MANIFEST-PROCESS KNOWLEDGE

Please print or type

GENERATOR/OPERATOR

1. Generator/Operator UCS ID Number:	2. Page 1 of ___	3. Emergency Response Phone #:	4. Manifest Tracking Number:	5. UCS BRM Approval Number:
128			128-3915	128-1202

6. Generator/Operator Name and Mailing Address:
Trans Canada
460 - 1 Street S.W.
Calgary, Alberta, Canada T2P 5H1

Generator/Operator Site Address (if different than mailing address)

7. Generator/Operator Source Location: Legal
Sec 1 Twp. ___ R. ___ East ___ West ___
___ feet from ___ North/ ___ South line of section
___ feet from ___ East/ ___ West line of section
Comanche County, Kansas

Generator/Operator Source Location: Longitude & Latitude
137.119231 Longitude -99.381582 Latitude
Generator/Operator Source Location: Physical Address:
Site name MP 26.4

8. Transporter 1 Company Name: McAnaw Oilfield Services — UCS ID Number:

9. Transporter 2 Company Name: — UCS ID Number:

10. Designated Facility Name and Site Address: Underground Cavern Stabilization, LLC
7513 South K14 Hwy
South Hutchinson, KS. 67505
Facility's Phone Number: 620.662.6367

BRM Description (as noted on the Form 150)	11. Containers No.	11. Containers Type	12. Total Quantity	13. Unit Wt./Vol.
1. Drilling muds/fluids	1	TT		
2.				
3.				

14. GENERATOR/OPERATOR CERTIFICATION: Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001; 42 U.S.C. 6928 and U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as a company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Generator/Operator Name	Signature	Month	Day	Year	
TRANS CANADA BY SCAN		7	10	19	

TRANSPORTER

15. Transporter's Acknowledgment of Receipt of Materials

Transporter 1 Name	Signature	Month	Day	Year	Time
Michael Fitzgerald		7	12	19	2115
Transporter 2 Name	Signature	Month	Day	Year	Time

16. TRANSPORTER'S CERTIFICATION: I hereby declare that the contents of this consignment have been delivered as prepared by the Generator/Operator and have not been tampered with in any way, nor have the materials been out of my custody unless otherwise noted by additional transporter signature, and that this consignment has been transported by the most direct route possible by current road conditions. I certify that the contents of this consignment conform to the terms of the attached Materials Emplacement Permit Application.

Transporter 1 Name	Signature	Month	Day	Year	Time
Michael Fitzgerald		7	12	19	4:52
Transporter 2 Name	Signature	Month	Day	Year	Time

UCS FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Full Rejection

18. Material Emplacement Cavern Well Location:

19. Designated Facility Owner or Operator: Certification of receipt of beneficial reuse materials covered by the manifest except as noted in Item 17a.

Name:	Signature	Month	Day	Year	Time
Vicky Hoten		7	12	19	4:32pm

Beneficial Reuse Material Approval Number: 128-1202

UNDERGROUND CAVERN STABILIZATION

BENEFICIAL REUSE MATERIAL INSPECTION REPORT

1. Date: 7-12-19
2. Time: 4:32pm
3. Beneficial Reuse Material Name/Description: Boring muds - cathodic protection
4. Transporter: Maclaskey's Oilfield
5. Name of driver: Michael
6. Source of beneficial reuse material as stated by driver: TransCanada - MP 26.4 - Comanche Cty.
7. Hauling Permit No.: N/A
8. Vehicle License No.: DOT # 283970
9. Vehicle Type: Tan
10. Unauthorized material found in the beneficial reuse material shipment? Yes (No)
11. If "Yes", was Rejected Beneficial Reuse Material Form completed? Yes No
12. Photograph identification verfied? (circle) Yes (No)
13. Identification type _____ Company ID Drivers License (state) _____
14. Inspector's observations: Material contained in truck. Used process knowledge. Liquid (sludge) load - Had to be emplaced immediately. Not stored in Clearspan like most Lyons Salt loads.
15. The physical characteristics (i.e. color, odor, etc.) of the beneficial reuse material stream conform to the Material Emplacement Application and previous material shipments. (Yes) No
16. If "No," was a Rejected Beneficial Reuse Material Form completed? Yes No
17. BASED ON MY EXAMINATION, THE BENEFICIAL REUSE MATERIAL ACCEPTED BY BENEFICIAL REUSE MATERIAL MANIFEST NUMBER 128 - 3915 IS AS DESCRIBED BY THE GENERATOR IN THE GENERATOR BENEFICIAL REUSE MATERIAL PROFILE SHEET.

Signature of Site Inspector

7-12-19
Date

Velyth
Printed Name of Inspector

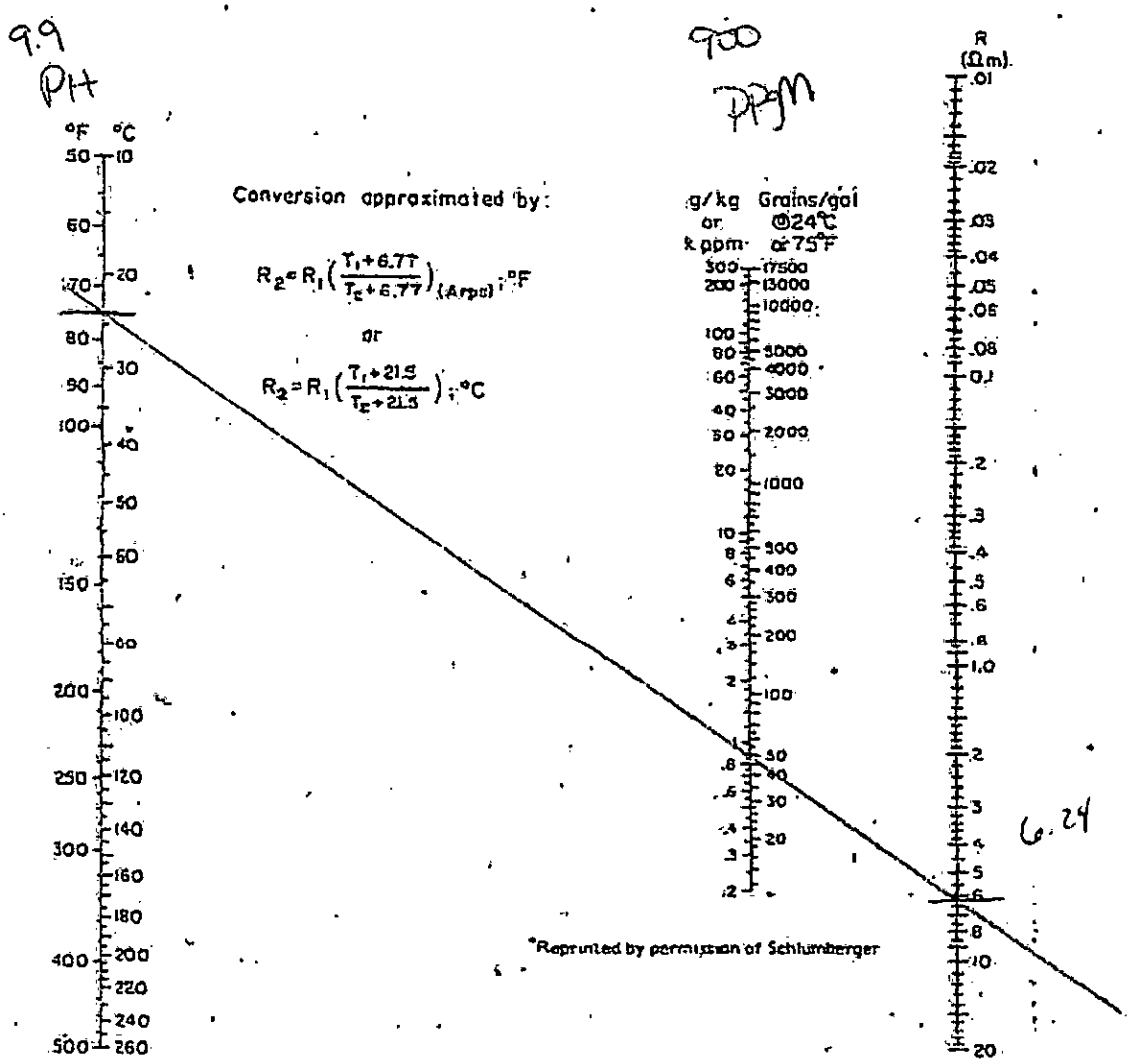
4:32pm
Time

7-12-19 Trich

RESISTIVITY NOMOGRAPH FOR NaCl SOLUTIONS*

This nomograph is used to determine the quantity of sodium chloride (in combination with distilled water or some other salt free aqueous medium) that is necessary to produce a solution with the same resistivity as the test sample. The concentration levels for carbonate salts, calcium salts, hydroxyl salts, etc., can be found in conductance tables for aqueous solutions.

Use a straight edge to connect the values of the corresponding resistivity and temperature readings. The point where the straight edge touches the salinity scale indicates the concentration of sodium chloride. By aligning a given temperature and concentration of sodium chloride, the corresponding resistivity can also be found.



9.9 PH+ 900 PPM 75.2 6.24 Norm 12.9 PPG CH

HOME LUMBER COLDWATER
187 N NEW YORK AVE
COLDWATER KS 67029
620 635 2207

2356
10-19-2019

Merchant ID: 3420
Term #: 0101

Store #: 4767
Ref #: 0003

Sale

XXXXXXXXXXX1009
AMEX

Entry Method: Chip

Total: $ 43.77

07/11/19 13:24:05
Inv #: 000003 Appr Code: 857309
Transaction ID: 007187425603675
Apprvd: Online Batch#: 000319

AMERICAN EXPRESS
AID: A0000000025010801
TSI: F800
TVR: 0000008000

Customer Copy

THANK YOU

Sub Total		40.34
COLCM		3.43
Total		43.77
Paid By Credit Card - Amex		43.77

Signature

7/11/2019 1:24:00PM