

LEASE WORK
CONTRACT PUMPING

TANK TRUCK
SERVICE

GRESSEL OIL FIELD SERVICE, L.L.C.

Post Office Box 438
Haysville, Kansas 67060
Phone: (316) 524-1225
Fax (316) 524-1027

Post Office Box 607
Burton, Kansas 67020
Phone: (620) 463-5161

Date 10-31 2018

MESA QUALITY FOCUSED
SPECIALTY CONSTRUCTION

Company P.O. BOX 52608 TULSA, OK 74152

Address PAWNEE CO, KANSAS No 27454

Lease ROSE ROCK 32.2 MILE POST 32 PO# 10-18-0581

Description of Work

SUCK UP CUTTINGS and mud from drilling procedure.

165 / # 245

4 1/2 hrs.

MIKE ROMO

DRIVER OR OPERATOR

APPROVED BY

LEASE WORK
CONTRACT PUMPING

TANK TRUCK
SERVICE

GRESSEL OIL FIELD SERVICE, L.L.C.

Post Office Box 438
Haysville, Kansas 67060
Phone: (316) 524-1225
Fax (316) 524-1027

Post Office Box 607
Phone: (620) 463-5161
Burton, Kansas 67020

Date 11-1 20 18

Company MEGA QUALITY FOCUSED
SPECIALTY CONSTRUCTION
P.O. BOX 52608 TULSA, OK 74152

Address PAWNEE CO. KANSAS No 27455

Lease ROSE ROCK 32.2 MILE POST 32 PO# 10-18-0581

Description of Work

HAUL LOAD OF CUTTINGS AND MUD TO UNDERGROUND CAVERN
STABILIZATION, LLC HULTHINSON, KS.

UGS, LLC INVOICE # 1763 \$ 607.76

165/245

3 1/2 hrs.

MIKE ROMP

DRIVER OR OPERATOR

APPROVED BY

784367

Date 11-1-18

Seller/Buyer Bear Petroleum

Remarks _____

Address PO Box 438

City Haysville

State KS Zip 67000-0438

76420 LB 08:24 am 11/01/18

Store _____ Sell _____

Commodity Concrete Slurry

35980 LB 09:21 am 11/01/18

Price _____

Driver: On Off

Shipper M. L. Davis

Weigher UA



Underground Cavern Stabilization, LLC
 PO Box 225
 Great Bend, KS 67530

RECEIVED

NOV 05 2018

Invoice

Date	Invoice #
11/2/2018	1763

Bill To
Gressel Oil Field Service, LLC PO Box 438 Haysville, KS 67060

Ship To
BRM #147-1175 Manifest #147-3430

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
	Net 15		11/1/2018			

Quantity	Item Code	Description	Price Each	Amount
79.61	311	Cement Slurry Manifest #147-3430	5.75	457.76T
1	360	Truck clean out - Maximum two hours Out-of-state sale, exempt from sales tax	150.00	150.00T
			0.00%	0.00

TT
6B

For questions concerning this invoice please call (620) 793-5483	Total	\$607.76
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Date	ID #	Generator Name	Transporter Company		Manifest Tracking #	BRM Approval #	Material Description	BRM Acres or Equivalent	Scale Ticket #	Volume (Tons)	Empirement Location	NORM Reading (ppm)	Volume (Tons)	Weight in (lbs)	Weight Out (lbs)	Volume (bbbls)	Volume (bbbls)	Volume (bbbls)	Fluid Density (pcf)	Chlorides (ppm)	pH	Semi Dump	Semi Land	X	
			Gravel/DI	Michael																					
11/1/2018	147	Gressel Oil	Gravel/DI	Michael	147-3430	147-1175	Cement slurry	0.5	784367	20.23	SW-11	0	20.23	78420	35916	79.61	6616	12.2							
CLEANOUT																									

784367

Date 11-1-18

Seller/ Buyer Grossel Oilfield

Remarks _____

Address PO Box 438

City Haysville

State KS Zip 67060-0438

78420 LB 08:24 am 11/01/18

Store _____ Sell _____

Commodity Concrete Slurry

33960 LB 09:21 am 11/01/18

Price _____

Driver: On Off

Shipper Mr. D. A. [Signature]

Weigher UA

Underground Cavern Stabilization, LLC
Post Office Box 225
GREAT BEND, KANSAS 67530-0225
Phone (620) 662-6367

No. 1691

BILL TO: Grossel Oilfield

Date: 11-1-18

Name _____

Address PO Box 438
Haysville, KS 67060-0438

Quantity:	DESCRIPTION OF SERVICE	AMOUNT	TOTAL
1	Truck cleanout	150 ⁰⁰	150 ⁰⁰

TRUCKING-COMPANY

By: [Signature]

BENEFICIAL REUSE MATERIALS MANIFEST-PROCESS KNOWLEDGE

Please print or type

1. Generator/Operator UCS ID Number: <u>147</u>	2. Page 1 of _____	3. Emergency Response Phone #:	4. Manifest Tracking Number: <u>147-3430</u>	5. UCS BRM Approval Number: <u>147 1175</u>			
6. Generator/Operator Name and Mailing Address: <u>Rose Rock Midstream L.P.</u> <u>6120 State Ave #700</u> <u>Tulsa, OK 74130</u>			Generator/Operator Site Address (if different than mailing address) <u>Rose Rock 32.2</u>				
7. Generator/Operator Source Location: Legal Sec. <u>2</u> Twp. <u>32</u> R. <u>16</u> East _____ West <u>20</u> _____ feet from _____ North/ _____ South line of section _____ feet from _____ East/ _____ West line of section <u>Pawnee</u> County, Kansas			Generator/Operator Source Location: Longitude & Latitude Longitude _____ Latitude _____ Generator/Operator Source Location: Physical Address:				
8. Transporter 1 Company Name <u>Gressel Oil</u>			UCS ID Number:				
9. Transporter 2 Company Name:			UCS ID Number:				
10. Designated Facility Name and Site Address: <u>Underground Cavern Stabilization, LLC</u> <u>7513 South K14 Hwy</u> <u>South Hutchinson, KS 67505</u> Facility's Phone Number: <u>620.662.6367</u>							
BRM Description (as noted on the Form 150)		11. Containers No. Type		12. Total Quantity	13. Unit Wt./Vol.		
1. <u>Comend Slurry</u>							
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 <u>Michael H. Lomo</u>		Signature <u>[Signature]</u>		Month	Day	Year	
15. Transporter's Acknowledgment of Receipt of Materials							
Transporter 1 Name		Signature		Month	Day	Year	Time
				<u>10</u>	<u>31</u>	<u>2018</u>	<u>5:00 PM</u>
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 <u>Michael H. Lomo</u>		Signature <u>[Signature]</u>		Month	Day	Year	Time
				<u>11</u>	<u>1</u>	<u>18</u>	<u>8:00 AM</u>
Transporter 2 Name		Signature		Month	Day	Year	Time
17. Discrepancy							
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> 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 <u>Vicki Hester</u>		Signature <u>[Signature]</u>		Month	Day	Year	Time
				<u>11</u>	<u>1</u>	<u>18</u>	<u>8:24 AM</u>

GENERATOR/OPERATOR

TRANSPORTER

UCS FACILITY



BENEFICIAL REUSE MATERIAL INSPECTION REPORT

1. Date: 11-1-18
2. Time: 8:24am
3. Beneficial Reuse Material Name/Description: Cement Slurry
4. Transporter: Gressel Oilfield Services
5. Name of driver: Michael
6. Source of beneficial reuse material as stated by driver: Rose Rock 32.2
7. Hauling Permit No.: N/A
8. Vehicle License No.: DOT # 129702
9. Vehicle Type: tank
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 verified? (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 147-3430 IS AS DESCRIBED BY THE GENERATOR IN THE GENERATOR BENEFICIAL REUSE MATERIAL PROFILE SHEET.

Eld
Signature of Site Inspector

Vicky Hester
Printed Name of Inspector

11-1-18
Date

8:24AM
Time

11-18

Truck

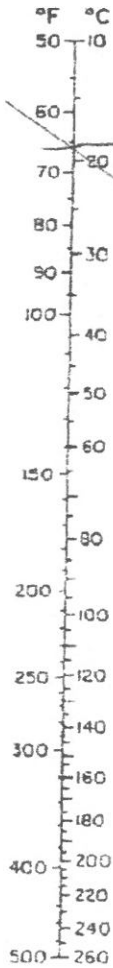
RESISTIVITY NOMOGRAPH FOR NaCl SOLUTIONS*

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

1150
pH



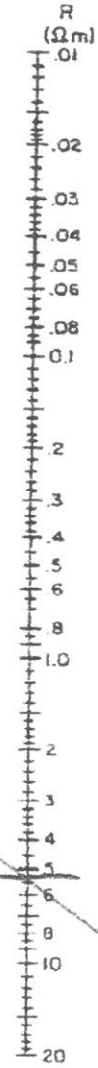
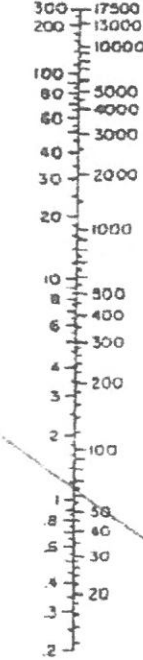
Conversion approximated by:

$$R_2 = R_1 \left(\frac{T_1 + 6.77}{T_2 + 6.77} \right)^{1.67} \text{ } ^\circ\text{F}$$

or

$$R_2 = R_1 \left(\frac{T_1 + 21.5}{T_2 + 21.5} \right)^{1.67} \text{ } ^\circ\text{C}$$

g/kg Grains/gal
or @24°C
k ppm or 75°F



65.3

526

*Reprinted by permission of Schlumberger

Norm
0.0

12.1
pH
CMA

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CONTRACT PUMPING

TANK TRUCK
SERVICE

GRESSEL OIL FIELD SERVICE, L.L.C.

Post Office Box 438
Haysville, Kansas 67060
Phone: (316) 524-1225
Fax (316) 524-1027

Post Office Box 607
Phone: (620) 463-5161
Burton, Kansas 67020

Date 11-2 2018

Company PO BOX 52608 TULSA, OK 74152
MESA QUALITY FOCUSED
SPECIALTY CONSTRUCTION

Address PAWNEE Co. KANSAS No 27456

Lease ROSE ROCK 32.2 MILE POST 32 PD # 10-18-0581

Description of Work

DRIVE TO LOCATION, PICK UP LOAD OF CUTTINGS & MUD,
HAUL TO HUTCHINSON AT UGS, LLC.

#165 / #245

UGS, LLC INVOICE # 1766 \$598.90

9 1/2 hrs.

MIKE ROMO

DRIVER OR OPERATOR

APPROVED BY

784378

Date 11-2-18

Seller/Buyer Grossel Oilfield

Remarks _____

Address P.O. Box 438

City Hayville

State KY Zip 67060-0438

75360 LB 04:21 PM 11/02/18

Store _____ Sell _____

36600 LB 04:40 PM 11/02/18

Commodity Boring Cement Slurry

Price _____

Driver: On Off

Shipper Mike G. Graw

Weigher Steve Payton



Underground Cavern Stabilization, LLC
 PO Box 225
 Great Bend, KS 67530

RECEIVED

NOV 06 2018

Invoice

Date	Invoice #
11/5/2018	1766

Bill To
Gressel Oil Field Service, LLC PO Box 438 Haysville, KS 67060

Ship To
BRM #147-1175 Manifest #147-3441

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
	Net 15		11/2/2018			

Quantity	Item Code	Description	Price Each	Amount
93.22	311	Cement Slurry Manifest #147-3441	5.75	536.02T
		8.00% Reno County Sales Tax	8.00%	42.88
		<i>TT GB Julie</i>		

For questions concerning this invoice please call (620) 793-5483	Total	\$578.90
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Date	ID #	Generator Name	Transport Company	Driver	Manifest Tracking #	BM Approval #	BM Approval #	Scale Ticket #	Volume (Tons)	Emplacement Location	NORM Residue (pounds)	Volume (Tons)	WEIRN in (lb)	WEIRN Out (lb)	Volume (bb)	Volume (bbl)	Unit Density PPG	Chlorides PPM	pH	VENUE Type	
11/2/2018	147	Gressel Oil	Gressel Oil	Michael	147-3441	147-1175	Cement slurry	YES	784378	19.34	SW-13	0	19.18	75380	36600	93.22	38750	9.9	1,500	9.1	X

784378

Date 11-2-18

Seller/Buyer Grossed outfield

Remarks _____

Address P.O. Box 438

City Hoytville

State KS Zip 67060-0438

75360 LB 04:21 PM 11/02/18

Store _____ Sell _____

36500 LB 04:40 PM 11/02/18

Commodity Born's Cornstarch

Price _____

Driver: On Off

Shipper Mike G. Givens

Weigher Steve Paulson

BENEFICIAL REUSE MATERIALS MANIFEST-PROCESS KNOWLEDGE

Please print or type

GENERATOR/OPERATOR	1. Generator/Operator UCS ID Number: 147	2. Page 1 of _____	3. Emergency Response Phone #:	4. Manifest Tracking Number: 147-3441	5. UCS BRM Approval Number: 147-1175		
	6. Generator/Operator Name and Mailing Address: Rose Rock Midstream LP 15120 S Yale Ave #700 Tulsa, OK 74136			Generator/Operator Site Address (if different than mailing address) 32.8 Rose Rock 32.8			
	7. Generator/Operator Source Location: Legal Sec 36 Twp 33E R. 16E East West _____ feet from _____ North/ _____ South line of section _____ feet from _____ East/ _____ West line of section Pawnee County, Kansas			Generator/Operator Source Location: Longitude & Latitude Longitude _____ Latitude _____ Generator/Operator Source Location: Physical Address:			
	8. Transporter 1 Company Name Gresel Oil			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	12. Total Quantity	13. Unit Wt./Vol.		
			No.	Type			
	1. Cement Slurry						
	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 Michael Axano		Signature <i>[Signature]</i>		Month	Day	Year	
15. Transporter's Acknowledgment of Receipt of Materials							
Transporter 1 Name Michael Axano		Signature <i>[Signature]</i>		Month	Day	Year	Time
				11	2	18	3:00 PM
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 Michael Axano		Signature <i>[Signature]</i>		Month	Day	Year	Time
				11	2	18	4:21 AM
Transporter 2 Name		Signature		Month	Day	Year	Time
17. Discrepancy							
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> 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 St. P. O.		Signature <i>[Signature]</i>		Month	Day	Year	Time
				11	2	18	4:21 AM



BENEFICIAL REUSE MATERIAL INSPECTION REPORT

1. Date: 11-2-18
2. Time: 4:21 PM
3. Beneficial Reuse Material Name/Description: Cement Slurry
4. Transporter: Gressel Oilfield Services
5. Name of driver: M. Ke
6. Source of beneficial reuse material as stated by driver: Rose Rock ~~32.8~~ 32.8
7. Hauling Permit No.: N/A
8. Vehicle License No.: Ba DOT # 129702
9. Vehicle Type: Semi Tanker
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 verified? (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 147-3441 IS AS DESCRIBED BY THE GENERATOR IN THE GENERATOR BENEFICIAL REUSE MATERIAL PROFILE SHEET.

Steve Pambour
Signature of Site Inspector

Steve Pambour
Printed Name of Inspector

11-2-18
Date

4:21 PM
Time

14-18

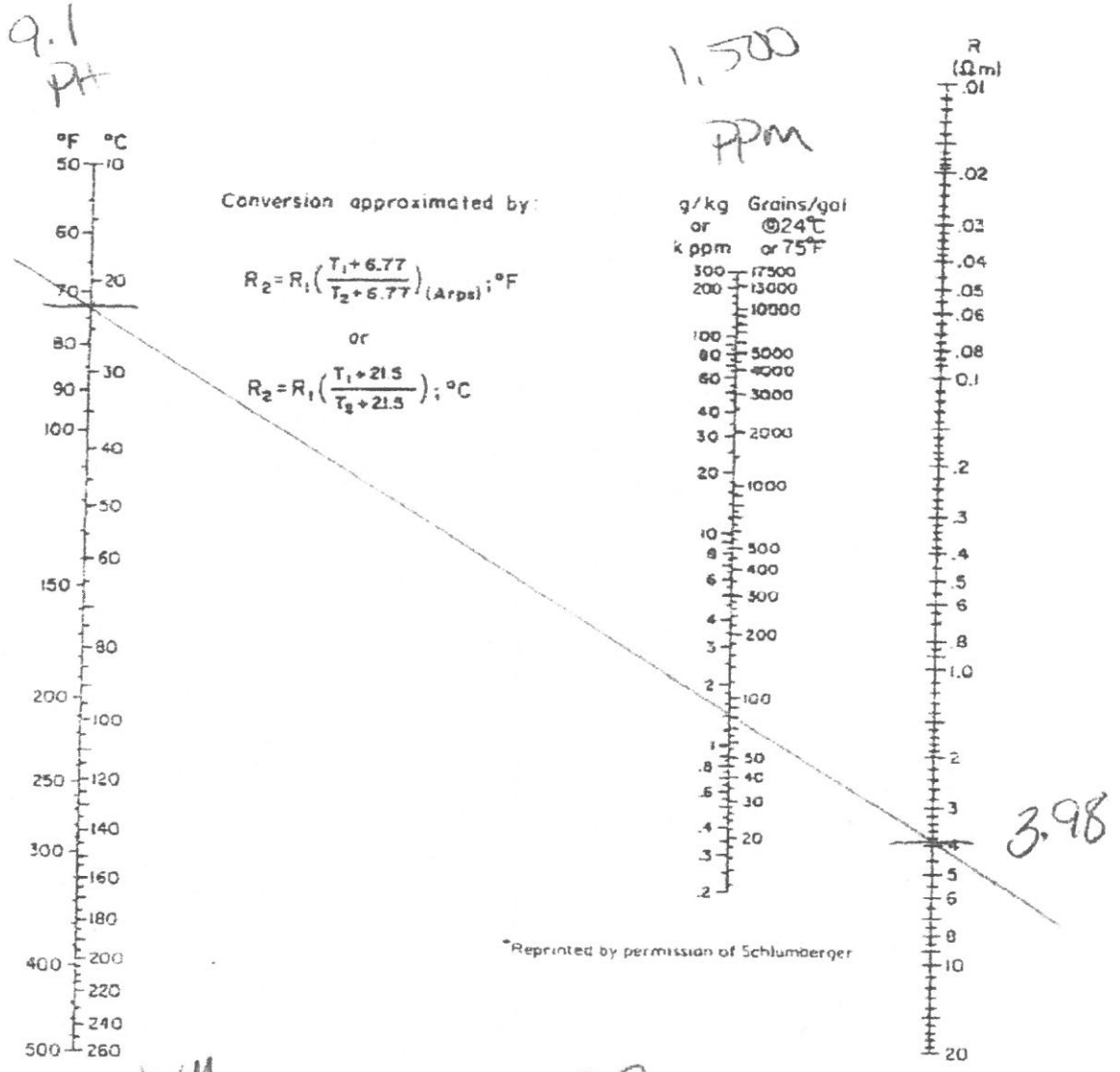
Gresel

Track

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.



*Reprinted by permission of Schlumberger

LEASE WORK
CONTRACT PUMPING

TANK TRUCK
SERVICE

GRESSEL OIL FIELD SERVICE, L.L.C.

Post Office Box 438
Haysville, Kansas 67060
Phone: (316) 524-1225
Fax (316) 524-1027

Post Office Box 607
Burton, Kansas 67020
Phone: (620) 463-5161

MESA QUALITY FOCUSED
SPECIALTY CONSTRUCTION

Date 11-3 2018

Company TULSA, OK 74152

Address PAWNEE CO. KANSAS No 27457

Lease ROSE ROCK 32.2 MILE POST 32 PO # 10-18-0581

Description of Work

DRIVE TO LOCATION PICKUP LOAD OF OUTTINGS AND MUD,
BRING BACK TO GTSBEND

165/#245

5 hrs.

MIKE RANO

DRIVER OR OPERATOR

APPROVED BY

LEASE WORK
CONTRACT PUMPING

TANK TRUCK
SERVICE

GRESSEL OIL FIELD SERVICE, L.L.C.

Post Office Box 438
Haysville, Kansas 67060
Phone: (316) 524-1225
Fax (316) 524-1027

Post Office Box 607
Burton, Kansas 67020
Phone: (620) 463-5161

Date 11-6-18

Company MESA QUALITY FOCUSED
SPECIALTY CONSTRUCTION
PO BOX 52608
TULSA, OK 74152

Address PAWNEE Co. KANSAS No 27458

Lease ROSE ROCK 32.2 MILE Post 32 PO # 10-18-0581

Description of Work

TAKE LOAD OF DUTTINGS AND MUD TO UCS, LLC AT
HUTCHINSON.

UCS, LLC INVOICE # 1768 \$305.67

#1205 / #1145

3 1/2 hrs

MIKE ROMO

DRIVER OR OPERATOR

APPROVED BY

784381

Date 11-6-18

Seller/Buyer Givens Oilfield

Remarks _____

Address PO Box 438

City Hopewell

63820 LB 09:56 am 11/06/18

State KS Zip 67060-0438

Store _____ Sell _____

Commodity Canum Shumy

36360 LB 10:32 am 11/06/18

Price _____

Driver: On _____ Off _____

Shipper Michael L. Lorne

Weigher TLH



Underground Cavern Stabilization, LLC
 PO Box 225
 Great Bend, KS 67530

Invoice

Date	Invoice #
11/7/2018	1768

Bill To
Gressel Oil Field Service, LLC PO Box 438 Haysville, KS 67060

Ship To
BRM #147-1175 Manifest #147-3444

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
	Net 15		11/6/2018			

Quantity	Item Code	Description	Price Each	Amount
53.16	311	Cement Slurry Manifest #147-3444	5.75	305.67T
		Tax Exempt Sales Tax	0.00%	0.00

For questions concerning this invoice please call (620) 793-5483	Total	\$305.67
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Date	ID #	Generator Name	Transmitter		Manifest Tracking #	BIM Approval #	Material Description	BIM Agrees w/ Paperwork	Scale Tons	Volume (Tons)	Employment Location	NORM Reading (rad/cm)	Volume (Tons)	Weight in (lb)	Weight Out (lb)	Volume (cu yd)	Volume (cu yd)	Volume (cu yd)	Chondex PPM	Vehicle Type		
			Company	Driver																BM	Semi Dump	Semi Tank
11/6/2018	147	Gresel Oil	Gresel OH	Michael	147-3444	147-1175	Cement slurry	YES	784381	13.73	SW-13	0	13.73	61820	36940	53.16	27460	12.3	1,500	99		X

784381

Date 11-6-18

RHO1

SALINA SCALE SALES & SERVICE - SALINA, KS

Seller/Buyer Givens Oilfield

Address PO Box 438

City Haysville

State KS zip 67060-0438

Store _____ Sell _____

Commodity Cement Shung

Price _____

Driver: On Off

Shipper Michael J. Jones

Weigher JD

Remarks _____

63820 LB 09:56 am 11/06/18

76360 LB 10:32 am 11/06/18

BENEFICIAL REUSE MATERIALS MANIFEST-PROCESS KNOWLEDGE

Please print or type

GENERATOR/OPERATOR	1. Generator/Operator UCS ID Number: 147	2. Page 1 of _____	3. Emergency Response Phone #:	4. Manifest Tracking Number: 147-3444	5. UCS BRM Approval Number: 147-1175		
	6. Generator/Operator Name and Mailing Address: Rose Rock Midstream LP 1620 State Ave #700 Tulsa, OK 74136			Generator/Operator Site Address (if different than mailing address) 32.8 Rose Rock 322			
	7. Generator/Operator Source Location: Legal Sec <u>6</u> Twp. <u>32</u> R. <u>10</u> East West <u>0</u> feet from _____ North/ _____ South line of section feet from _____ East/ _____ West line of section Dawson County, Kansas			Generator/Operator Source Location: Longitude & Latitude Longitude _____ Latitude _____ Generator/Operator Source Location: Physical Address:			
	8. Transporter 1 Company Name Gressel Oil			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		12. Total Quantity	13. Unit Wt./Vol.	
			No. Type				
	1. Concrete Slurry						
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 Michael Henry		Signature <i>[Signature]</i>		Month	Day	Year	
15. Transporter's Acknowledgment of Receipt of Materials							
Transporter 1 Name Michael Henry		Signature <i>[Signature]</i>		Month	Day	Year	Time
				11	3	2016	1:00 PM
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 Michael Henry		Signature <i>[Signature]</i>		Month	Day	Year	Time
				11	6	2016	1:50 PM
Transporter 2 Name		Signature		Month	Day	Year	Time
17. Discrepancy							
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> 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 Vicky Hester		Signature <i>[Signature]</i>		Month	Day	Year	Time
				11	6	18	9:50 AM



BENEFICIAL REUSE MATERIAL INSPECTION REPORT

1. Date: 11-6-18
 2. Time: 9:56am
 3. Beneficial Reuse Material Name/Description: Cement Slurry
 4. Transporter: Gressel Oilfield Services
 5. Name of driver: Michael
 6. Source of beneficial reuse material as stated by driver: Rose Rock 32.2
 7. Hauling Permit No.: N/A
 8. Vehicle License No.: Ba DOT # 129702
 9. Vehicle Type: Truck

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 verified? (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 14-7-314 IS AS DESCRIBED BY THE GENERATOR IN THE GENERATOR BENEFICIAL REUSE MATERIAL PROFILE SHEET.

CH
 Signature of Site Inspector
Vicky Hester
 Printed Name of Inspector

11-6-18
 Date
9:56am
 Time

11-6-18 Gravel TRUCK

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.

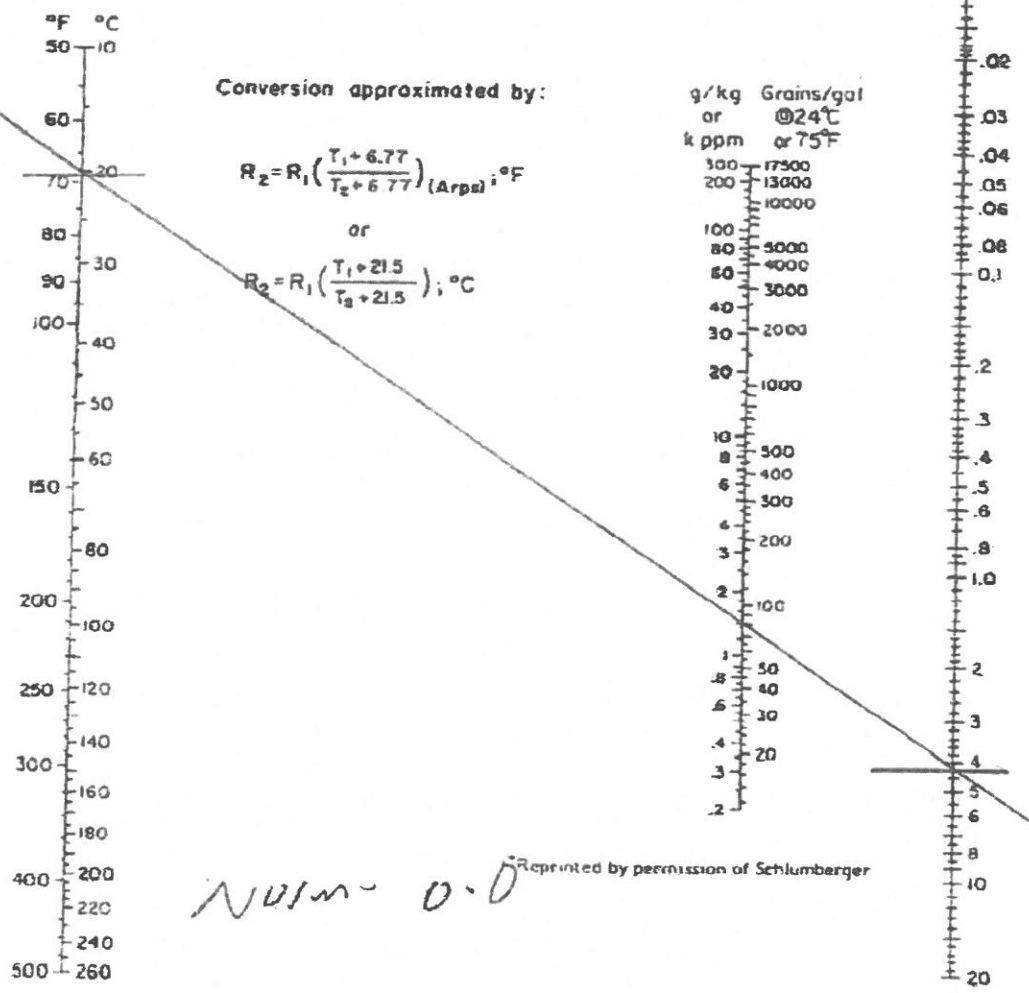
Use a straight edge to connect the values of the corresponding resistivity and temperature readings. The point where the straight edge touches the salinity scale indicates the concentration of sodium chloride. By aligning a given temperature and concentration of sodium chloride, the corresponding resistivity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

PH - 9.9

1500 ppm

68.9

4.12



Conversion approximated by:

$$R_2 = R_1 \left(\frac{T_1 + 6.77}{T_2 + 6.77} \right)_{(Arps)} ; ^\circ F$$

or

$$R_2 = R_1 \left(\frac{T_1 + 21.5}{T_2 + 21.5} \right) ; ^\circ C$$

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12.3 ppq
Alan [Signature]