

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5285
Name: The Dane G. Hansen Trust
Address P. O. Box 304
Logan, Kansas 67646
Purchaser: Farmland Industries
Operator Contact Person: Dane G. Bales
Phone (913) 689-4816

Contractor: Name: Galloway Drilling Co., Inc.
License: 5783

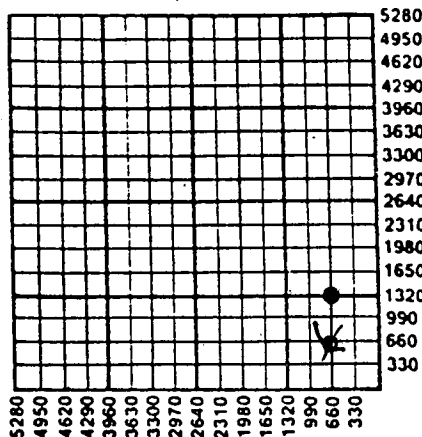
Wellsite Geologist: J. E. Jespersen

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
11/29/89 12/9/89 2/15/90
Spud Date Date Reached TD Completion Date

API NO. 15- 193-20,492-0000
County Thomas
E/2 SE/4 Sec. 31 Twp. 10s Rge. 32 East West
1320 Ft. North from Southeast Corner of Section
660 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Hecker Well # 7
Field Name U-Pac
Producing Formation Johnson Zone
Elevation: Ground 3081 KB 3086
Total Depth 4581 PBSD _____



Amount of Surface Pipe Set and Cemented at 311' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2613' Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

3-21-90
661-1-1990

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

Signature Dane G. Bales
Title Manager Date 3/20/90
Subscribed and sworn to before me this 20th day of March, 19 90.
Notary Public Betty Jane Bittel
Date Commission Expires July 17, 1992

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)



Operator Name The Dane G. Hansen Trust Lease Name Hecker Well # 7
 Sec. 31 Twp. 10s Rge. 32 East County Thomas West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample																																	
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																		
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>2583</td> <td>(+503)</td> </tr> <tr> <td>B/Anhydrite</td> <td>2613</td> <td>(+473)</td> </tr> <tr> <td>Heebner</td> <td>3995</td> <td>(-909)</td> </tr> <tr> <td>Toronto</td> <td>4014</td> <td>(-928)</td> </tr> <tr> <td>Lansing</td> <td>4034</td> <td>(-948)</td> </tr> <tr> <td>Stark Sh.</td> <td>4251</td> <td>(-1165)</td> </tr> <tr> <td>Hushpuckney</td> <td>4282</td> <td>(-1196)</td> </tr> <tr> <td>B/Kansas City</td> <td>4316</td> <td>(-1230)</td> </tr> <tr> <td>Marmaton</td> <td>4341</td> <td>(-1255)</td> </tr> <tr> <td>Pawnee</td> <td>4440</td> <td>(-1354)</td> </tr> </tbody> </table>			Name	Top	Bottom	Anhydrite	2583	(+503)	B/Anhydrite	2613	(+473)	Heebner	3995	(-909)	Toronto	4014	(-928)	Lansing	4034	(-948)	Stark Sh.	4251	(-1165)	Hushpuckney	4282	(-1196)	B/Kansas City	4316	(-1230)	Marmaton	4341	(-1255)	Pawnee	4440	(-1354)
Name	Top	Bottom																																	
Anhydrite	2583	(+503)																																	
B/Anhydrite	2613	(+473)																																	
Heebner	3995	(-909)																																	
Toronto	4014	(-928)																																	
Lansing	4034	(-948)																																	
Stark Sh.	4251	(-1165)																																	
Hushpuckney	4282	(-1196)																																	
B/Kansas City	4316	(-1230)																																	
Marmaton	4341	(-1255)																																	
Pawnee	4440	(-1354)																																	

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	12 1/4"	8 5/8"	24#	311'	60/40 Poz	190	2% Gel + 3% CC
Production		4 1/2"		4578'	60/40 Poz	175	Salt Saturated

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
		250 Gal. 15% MCA, 500 Gal. 28% MCA & 2000 Gal. 15% Demulsion		4581

TUBING RECORD Size 2" Set At 4577 Packer At _____ Liner Run Yes No

Date of First Production 3/1/90 Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil <u>7.05</u> Bbls.	Gas <u>XX</u> Mcf	Water <u>.45</u> Bbls.	Gas-Oil Ratio <u>6%</u>	Gravity
-----------------------------------	-----------------------	-------------------	------------------------	-------------------------	---------

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval 4581

15-193-20492-0000

The Dane G. Hansen Trust - Hecker #7, E/2 SE/4, 31-10-32, Thomas County, Kansas

Additional Formation Description:

U. Cherokee	4499	(-1413)
Fort Scott	4504	(-1418)
L. Cherokee	4531	(-1445)
Johnson Zone	4577	(-1491)
RTD	4581	(-1495)

DST #1 - 4003-50. 15-45-60-45. Rec. 60' Mud, 120' MW & 180' SW.
SIP's 1188/1125. FP's 41-52/83-166.

DST #2 - 4057-4120. 15-45-15-45. Rec. 20' Mud. SIP's 729/677. FP's 20-20/20-20.

DST #3 - 4164-95. 15-45-15-45. Rec. 10' Mudw/VSSO. SIP's 109/62.
FP's 31-31/31-31.

DST #4 - 4208-40. 15-60-15-60. Rec. 15' Oil Spkd. Mud. SIP's 125/72.
FP's 26-26/26-26.

DST #5 - 4250-4305. 15-60-90-60. Rec. 120' GIP & 120' SGCM. SIP's 781/531.
FP's 52-52/62-88.

DST #6 - 4568-81. 15-60-90-60. Rec. 625' GIP, 40' FO & 120' VHOCM.
SIP's 293/293. FP's 30-30/41-75.

Squeeze Record:

2/5/90 - Set plug @ 2706. Opened Port Collar. Mixed & ran 500 sx Lite
2/7/90 - Perf. 3 holes @ 2100'. Ran tbg & Pkr., set @ 2050'.
Cemented w/ 200 sx Lite & 75 sx com., 3% CC, 10% Gel.
Mixed & ran 200 sx Lite & 95 sx Com., down backside.
2/9/90 - Perf. @ 1050'. Ran tbg. & Pkr. Set @ 1013'.
Mixed & ran 350 sx Lite & 75 sx. com., 3% CC.
2/12/90 - Perf. @ 1420'. Set pkr. @ 1395'. Mixed & ran 150 sx Com.
(See Butcher Approval photocopy first page of Temperature Log).

RECORDED
INDEXED
MAR 21 1990
CEN. ...
LAWRENCE, KANSAS

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 8605

Home Office P. O. Box 31 Russell, Kansas 67665

Date	11-29-89	Sec.	31	Twp.	10	Range	32	Called Out	11:00 AM	On Location	3:15 PM	Job Start	4:45 PM	Finish	5:15 PM
Lease	Hecker	Well No.	#7	Location	Oakley			County	Thomas	State	Kansas				
Contractor	Galloway Drilling Rig 1														
Type Job	Surface														
Hole Size	12 1/4"			T.D.	314'										
Csg.	8 5/8"			Depth	311'										
Tbg. Size				Depth											
Drill Pipe				Depth											
Tool				Depth											
Cement Left in Csg.	15'			Shoe Joint											
Press Max.				Minimum											
Meas Line				Displace	<input checked="" type="checkbox"/>										
Perf.															

Owner SAME

To Allied Cementing Co., Inc. you are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To D. G. Hansen Trust

Street P.O. Box 187

City Logan State Kan 67646

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Carl Hansen*

CEMENT

Amount Ordered 190 SKS 60/40 Poz 37cc 276el

Consisting of		
Common	114	585 666.90
Poz. Mix	76	2.35 178.60
Gel.	4	6.75 27.00
Chloride	6	20.00 120.00
Quickset		

Sales Tax

Handling 90 171.00

Mileage 6m 03 40.00

Sub Total 1203.50

Total

Floating Equipment

EQUIPMENT

#153 No.	Cementer	M Kaufman
Pumptrk	Helper	walt D.
No.	Cementer	
Pumptrk	Helper	
#155	Driver	Steve T.
Bulktrk		
Bulktrk	Driver	

DEPTH of Job

Reference #	Item	Price
#	PUMP TRK	360.00
	1-8 5/8" plug	40.00
	100 Per mile 6m	6.00
	Sub Total	406.00
	Tax	
	Total	

Remarks: CEMENT Circulated

RECEIVED

Handwritten signature

UNRECORDED COPY

B. O. BOX 31

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No 7493

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	12-9-89	Sec.	31	Twp.	10s	Range	32w	Called Out	3:00 PM	On Location	5:00 PM	Job Start	7:15 PM	Finish	8:00 PM
Lease	Hecker	Well No.	# 7	IF-70 EX'S		Location		Oakley 4W	IN 4W 4N	THOMAS	County	KANSAS	State		
Contractor	Galloway DRG.														
Type Job	PRODUCTION STRING														
Hole Size	7 7/8	T.D.	4581'												
Csg.	4 1/2	Depth	4578'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool	ARROW PORT COLLAR	Depth	2612'												
Cement Left in Csg.	40.27	Shoe Joint	40.27												
Press Max.	1100#	Minimum													
Meas Line	✓	Displace	✓ 73.82 CBL												
Perf.															

EQUIPMENT

Pumptrk #177	No.	Cementer	<i>Shag</i>
		Helper	
Pumptrk #146	No.	Cementer	<i>Ed</i>
		Helper	
Bulktrk #146		Driver	
Bulktrk		Driver	

DEPTH of Job

Reference:	Pump TRUCK CHRG	838.00
	100/PER Mile	6.00
	1-4" Rubber Plug	31.00
	Sub Total	
	Tax	
	Total	875.00

Remarks:

Float HELD
 Mixed 5^{SK}/SALT FLUSH
 Cent 1-3-5-7-40-50
 Port Collar 49 TOP

Owner
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To **D.G. HANSEN**
 Street **P.O. Box 187**
 City **Logan** State **Kan 67646**
 The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. *[Signature]*
 X *[Signature]*
CEMENT
 5 SK SALT FLUSH
 Amount Ordered 175 6/40 10% Salt

Consisting of	
Common	105 SKs @ 6.00 = 630.00
Poz. Mix	70 SKs @ 2.40 = 168.00
Gel.	
Chloride	
Quickset	
Salt	20SKs @ 4.75 = 95.00
Sales Tax	
Handling	90¢ = 157.50
Mileage	3¢ = 40.00
6 mile	
Sub Total	
Total 1,090.50	

Floating Equipment 4 1/2 Csg.
 1-Guide shoe - 104.00
 1-AFU INSERT - 161.00
 6-Cent Realizers - 246.00
 1-BSKT. - 108.00
 1-ARROW PORT COLLAR - 1328.00
 Total = 1,947.00

Phone 316-793-2027, KUSSELL, KANSAS

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. N^o 10448

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	2-5-90	Sec.	29	Twp.	10	Range	32	Called Out	9 AM	On Location	120 PM	Job Start	330 PM	Finish	
Lease	Hatches	Well No.	7	Description				1N 3W 14N	County	THOMAS	State	Ks			

Contractor	Pauls Well Service		
Type Job	Post Collar		
Hole Size	T.D.		
Csg.	4 1/2	Depth	
Tbg. Size	2"	Depth	
Drill Pipe		Depth	
Tool	Plug-	Depth	2706
Cement Left in Csg.		Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	
Perf.	Post Collar 2613		

Owner
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To *OH Hansen Trust*
 Street *Box 187*
 City *Logan* State *Ks. 67646*
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *[Signature]*
 X *[Signature]*
CEMENT

Great Bend

EQUIPMENT		
No.	Cementor	<i>Allen</i>
Pumptrk <i>120</i>	Helper	<i>Mike Brad</i>
No.	Cementor	
Pumptrk	Helper	
	Driver	<i>Jack S.</i>
Bulktrk <i>179</i>	Driver	

Amount Ordered	<i>500 lbs</i>	
Consisting of		
Common	<i>500 lbs</i>	<i>5.00</i>
Poz. Mix		<i>2500.00</i>
Gel.		
Chloride		
Quickset		

DEPTH of Job	
Reference:	
<i>OAKLEY</i>	<i>Pump truck</i>
	<i>450.00</i>
	<i>mileage</i>
	<i>4.00</i>
	Sub Total
	Tax
	Total
	<i>454.00</i>

Handling	<i>500</i>	<i>.90</i>	<i>450.00</i>
Mileage	<i>4</i>		<i>60.00</i>
<i>OAKLEY</i>		Sub Total	
		Total	<i>3010.00</i>

Remarks: *Cement did not Circ*

Floating Equipment

Total \$ *3464.00*
 Disc - *519.60*
2944.40

M.P. 2-7-90
 ALLIED CEMENTING CO.
 RUSSELL, KANSAS

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. N^o. 8647

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	2-7-90	Sec.	29	Twp.	10	Range	32	Called Out	11:00 A.M.	On Location	2:00 P.M.	Job Start	2:30 P.M.	Finish	6:30 P.M.	
Lease	Hecker	Well No. #	7	Location	Oakley 3W 2N 2W 2N			County	Thomas	State	Kansas					
Contractor	Paul's Well Service					Owner	Same									
Type Job	Circulate Cement + Squeeze															
Hole Size						T.D.										
Csg.						Depth										
Tbg. Size	2"					Depth										
Drill Pipe						Depth										
Tool						Depth										
Cement Left in Csg.						Shoe Joint										
Press Max.	1400#					Minimum	500#									
Meas Line						Displace										
Perf.																

To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To **D.G. Hansen**
 Street **Box 187**
 City **Logan** State **Kansas**

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. **D. G. Hansen**

170 SK COM. 3% CEMENT 10 GEL
 Amount Ordered **400 lite**

EQUIPMENT

Pumptrk #177	No.	Cementor	Shawn Bill
		Helper	Will
Pumptrk #156	No.	Cementor	
		Helper	
Bulktrk #155		Driver	Ed
		Driver	Joel

Consisting of	
Common	170 Sk @ 6 ⁰⁰ = 1020 ⁰⁰
Poz. Mix	
Gel.	10 Sk @ 6 ⁷⁵ = 67 ⁵⁰
Chloride	5 Sk @ 20 ⁰⁰ = 100 ⁰⁰
Quickset	
LITE	400 Sk @ 5 ⁰⁰ = 2000 ⁰⁰

Sales Tax

Handling @ 90¢ ea = 513⁰⁰

Mileage 34/SK/MILE = 68⁰⁰

Sub Total = 3768⁹⁰

Floating Equipment

Back Side Shut in at 200 #

DEPTH of Job

Reference:	Pump TRUCK chrg.	360 ⁰⁰
	1 ⁰⁰ PER MILE	4 ⁰⁰
	Sub Total	
	Tax	
	Total	364 ⁰⁰

Remarks: Mixed 10 Gel 200 lite
 75 Com 3% CC Down Tubing
 Squeezed at 1500# washed out Tubing
 Mixed 200 lite Down Back + 95 Com 3% CC

[Handwritten signature and date]

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

New

ALLIED CEMENTING CO., INC. No. 8591

Home Office P. O. Box 31 Russell, Kansas 67665

Date	2-9-90	Sec.	29	Twp.	10	Range	32	Called Out	1 PM	On Location		Job Start		Finish	5:30 AM
Lease	Hecker	Well No.	7	Location	OKley 30 1/2 N			County	Thomas	State	Kan				
Contractor	Paul's Well Service														
Type Job	Squeeze														
Hole Size	T.D.														
Csg.	4 1/2	Depth													
Tbg. Size	2"	Depth 1013													
Drill Pipe	Depth														
Tool	Depth														
Cement Left in Csg.	Shoe Joint														
Press Max.	1500#	Minimum 1000#													
Meas Line	Displace														
Perf.															

Owner *Same*

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To *D. G. Hanser*

Street *Box 187*

City *Logan* State *Kansas 67646*

The above was done to satisfaction and supervision of owner agent or contractor.

EQUIPMENT

No.	Cementer	<i>McAdoo</i>
Pumptrk 177	Helper	
No.	Cementer	<i>Allen</i>
Pumptrk	Helper	
Bulktrk 146	Driver	<i>Ed</i>
Bulktrk 212	Driver	<i>Allen</i>

Purchase Order No.

X

CEMENT

Amount Ordered *75 Com 3% Sol. 350 @ 1/16*

Consisting of		
Common	<i>75-Com @ 6.00</i>	<i>450.00</i>
Poz. Mix		
Lite Lite	<i>350 Sk @ 5.00</i>	<i>1750.00</i>
Chloride	<i>2 Sk @ 20.00</i>	<i>40.00</i>
Quickset		

Handling	<i>@ 90¢ ea</i>	<i>382.50</i>
Mileage	<i>34/SK/MILE</i>	<i>51.00</i>
Sub Total		
Total		<i>2673.50</i>

DEPTH of Job

Reference:	<i>Pump Truck</i>	<i>360.00</i>
	<i>100 Per mile</i>	<i>4.00</i>
Sub Total		
Tax		
Total		<i>364.00</i>

Remarks: *Injection Rate 4 BPM at 1100# Squeezed at 1500# Washed Out*

Floating Equipment

Total *2673.50*

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 8593

Home Office P. O. Box 31 Russell, Kansas 67665

Date	2-12-80	Sec.	29	Twp.	10	Range	32	Called Out	1:30 PM	On Location		Job Start		Finish	5:30 PM
Lease	Hecker	Well No.	7	Location	OKley 3 W 12 N			County	Thomas	State	Ken				
Contractor															
Type Job: <i>Squeeze</i>															
Hole Size								T.D.							
Csg. <i>4 1/2</i>								Depth							
Tbg. Size <i>2'</i>								Depth <i>1387</i>							
Drill Pipe								Depth							
Tool								Depth							
Cement Left in Csg.								Shoe Joint							
Press Max. <i>1500 #</i>								Minimum <i>200 #</i>							
Meas Line								Displace							
Perf. <i>1420</i>															

Owner: _____

To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To: *D.G. Hansen*

Street: *P.O. Box 187*

City: *Logan* State: *Ken* 67646

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *[Signature]*

X *[Signature]* CEMENT

EQUIPMENT

No.	Cement	Helper
Pumptrk <i>177</i>	<i>M&A 600</i>	<i>Will</i>
Pumptrk		
Bulktrk <i>155</i>	<i>Steve</i>	
Bulktrk		

Amount Ordered	<i>150 Com</i>	
Consisting of		
Common	<i>150 sks @ 6.00</i>	<i>900.00</i>
Poz. Mix		
Gel.		
Chloride		
Quickset		
Sales Tax		
Handling	<i>90¢</i>	<i>135.00</i>
Mileage	<i>3.4</i>	<i>40.00</i>
Sub Total		
Total		<i>1,075.00</i>

DEPTH of Job	<i>360.00</i>
Reference:	<i>Pump Truck</i>
	<i>1.00 per mile</i>
Sub Total	<i>4.00</i>
Tax	
Total	<i>364.00</i>

Remarks: *Injection Rate 38 PM 1200*
Mixed 150 Com Squeezed at
500# Did not Wash 40 out.

Floating Equipment
