

SIDE TWO

Operator Name Anderman/Smith Operating Company Lease Name Greeson Well # 1-18

Sec. 18 Twp. 32S Rge. 32
 East
 West

County Seward

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

(Copies of Drill Stem Tests attached)

Formation Description

Log Sample

Name	Top	Bottom
Harrington	2645'	2675'
U. Krider	2675'	2705'
L. Krider	2705'	2756'
Winfield	2756'	2808'

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
Surf.csg.	12 1/4"	8-5/8	24#	1546'	Lite	500	2% cc; 1/2# Flocele
Prod.csg.		4-1/2"	10.5#	3116'	Class C Lite Prem.Plus	150 140 275	2% cc 1/2# Flocele .4% Halad -4

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

4 s/ft.	2782'-2786'	Acid - 29 bbl 15% MCA	2782'-86'
4 s/ft.	2758'-2770'	Cmt. Retainer + 50 sx Cl H cm	2776'
4 s/ft.	2706'-2722'	28 bbl 15% MCA; CIBP + .5 sx	2750'
4 s/ft.	2678'-2682', 2646'-2654'	cm.: 30 bbls 15% MCA	2722'
		27 bbls 15% MCA	2682'

TUBING RECORD

Size Set At Packer At
2-3/8, 4.7 #, J-55 Cl B 85 jts 2690' 2746'

Liner Run Yes No

Date of First Production N/A 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 Perforation Dually Completed Commingled
 Other (Specify)

PHONE
318 / 624-7340

ORIGINAL
DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67801

SEC: 18
TWP: 32S
RGE: 32W
COUNTY: Seward
STATE: Kansas
TICKET NO. 2873

Midwestern Exploration Co.
Greson #1-18
WELL NAME & NO.
TEST # 1
TEST INTERVAL 4333' - 4350'

Formation Lansing Type Test Conventional Date Feb. 24, 1990

Anchor Length and Size 17' X 4 1/2" OD-Perf. Total Depth 4350'

Packer Depths 4328' & 4333' Below Straddle Choke Size Bottom 5/8" Surface 1/4"

Equipment Run 2 Packers, Jars, Sample Chamber, Safty joint, Circ. sub.

Lengths: Tool 50' D.P. 3764' ID 3.8" Wt. P. ID D.C. 550' ID 2.25"

Mud Type Chemical Vls. 46 Wt. 9.0 Wtr. Loss 10.8 Cl. 2500 ppm

Recorders:
Depth 4344' Make Kuster Cap. 6500 Ser. No. 10269 Inside
Depth 4348' Make Kuster Cap. 6800 Ser. No. 10217 Outside
Depth _____ Make _____ Cap. _____ Ser. No. _____ Below Straddle

Pressures:

Tool on Bottom @ 10:35 AM. Initial Hydrostatic 2057 psi
Initial Flow 30 Min. IFP 58 psi to 77 psi
Initial Shut-In 60 Min. ISIP 1131 psi
Final Flow 60 Min. FFP 96 psi to 141 psi
Final Shut-In 116 Min. FSIP 1138 psi
Tool off Bottom @ 3:05 PM. Final Hydrostatic 2048 psi Temp. 108

Blow: Weak increasing to strong on I.F.P., Fair increasing to strong on F.F.P.

Recovery: 3000' Gas in pipe. 250' Total Fluid. (1.07 bbl.)
10' Muddy Oil. (0.05 bbl.)
120' Gas & Oil Cut Mud. (0.51 bbl.)
120' Gas & Oil Cut Salt Water. (0.51 bbl.)

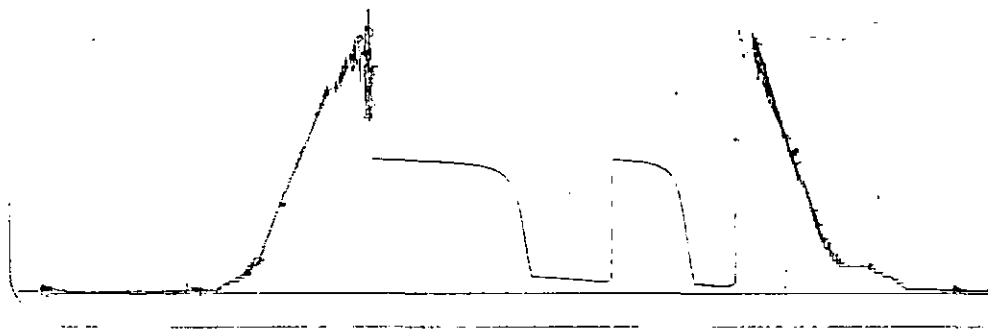
Gas Flow:

Sampler Data:
Pressure 95 PSI
Gas 0.08 cu. ft.
Total Fluid 1750 cc
Oil 100 cc
Water 1250 85,000 PPM Cl. cc
Mud 400 cc
Oil Gravity _____ °F.
Gas/Oil Ratio _____

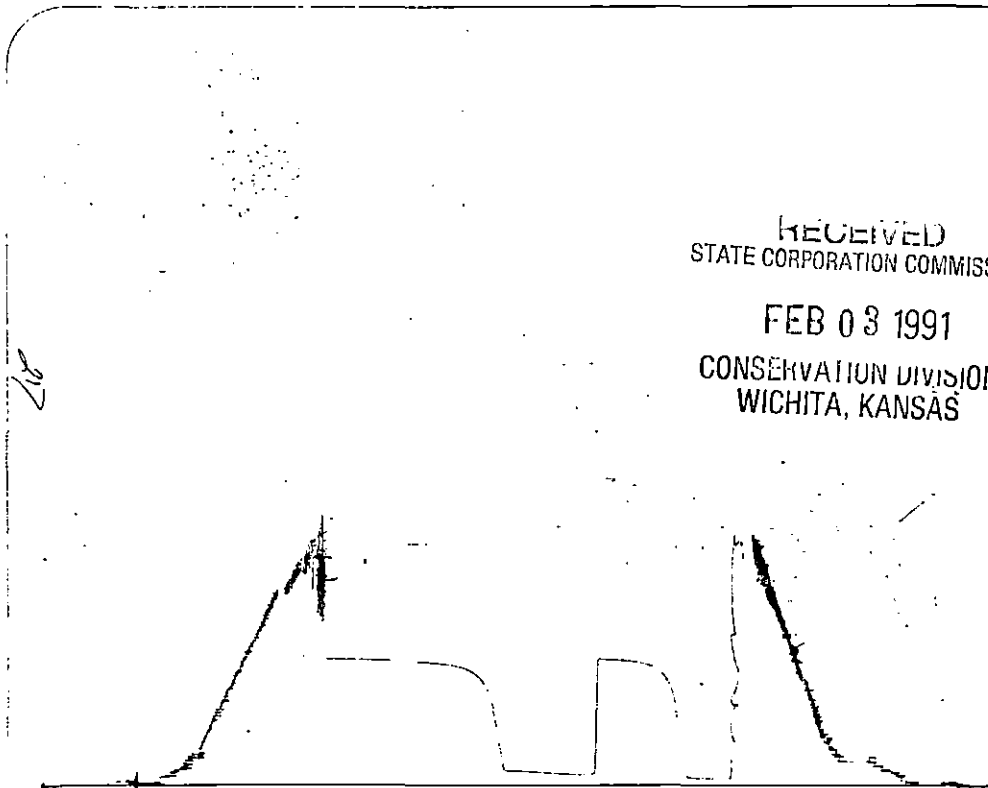
Remarks:
**RECEIVED
STATE CORPORATION COMMISSION
FEB 03 1991
CONSERVATION DIVISION
WICHITA, KANSAS**
Rw. -.04 @ 108 F.

Tester Butch Young Witnessed by: Larry Benedick

ORIGINAL



Initial Hydrostatic	2057	psi
IFP	58	psi to 77
ISIP	1131	psi
FFP	96	psi to 141
FSIP	1138	psi
Final Hydrostatic	2048	psi



RECEIVED
STATE CORPORATION COMMISSION

FEB 03 1991

CONSERVATION DIVISION
WICHITA, KANSAS

PHONE
318 / 824-7340

DEAN'S TESTERS INC ORIGINAL

P. O. BOX 1182
LIBERAL, Ks. 67901

SEC. 18
TWP. 32S
RGE. 32W
COUNTY SEWARD
STATE KANSAS
TICKET NO. 2874

Midwestern Exploration Co.
OPERATOR
Greson #1-18
WELL NAME & NO.
TEST # 2
4966' - 5018'
TEST INTERVAL

Formation Marmaton Type Test Conventional Date Feb. 26, 1990
Anchor Length and Size 52'; 31'X 6" D-D.C., 21'X 4 1/2" OD-Perf. Total Depth 5018'
Packer Depths 4961' & 4966' Below Straddle _____ Choke Size Bottom 5/8" Surface 1/4"
Equipment Run 2 Packers, Jars, Sample Chamber, Safty joint, Circ. sub.

Lengths: Tool 85' D.P. 4444' ID 3.8" Wt. P. _____ ID _____ D.C. 519' ID 2.25"
Mud Type Chemical Vls. 55 Wt. 9.0 Wtr. Loss 9.4 Cl. 2000 ppm

Recorders: Depth 4978' Make Kuster Cap. 6500 Ser. No. 10269 Inside
Depth 4983' Make Kuster Cap. 6800 Ser. No. 10217 Outside
Depth _____ Make _____ Cap. _____ Ser. No. _____ Below Straddle

Pressures:

Tool on Bottom @ 9:10 A.M. Initial Hydrostatic 2321 psi
Initial Flow 30 Min. IFF 64 psi to 122 psi
Initial Shut-in 60 Min. ISIP 1488 psi
Final Flow 60 Min. FFP 161 psi to 258 psi
Final Shut-in 120 Min. FSIP 1501 psi
Tool off Bottom @ 1:40 P.M. Final Hydrostatic 2305 psi Temp. 117

Blow: Strong on I.F.P., Weak increasing to strong on F.F.P.

Recovery: 2300' Gas in pipe. 480' Total Fluid. (2.06 bbl.)
240' Slightly Gas Cut Mud. (1.03 bbl.)
60' Slightly Gas Cut Watery Mud. (0.26 bbl.)
180' Slightly Gas Cut Salt Water. (0.77 bbl.)

Gas Flow:

Sampler Data:
Pressure 125 PSI
Gas 0.04 cu. ft.
Total Fluid 1600 cc
Oil -- cc
Water 1300 122,000 PPM Cl. cc
Mud 300 cc
Oil Gravity _____ @ _____ °F.
Gas/Oil Ratio _____

Remarks:
Rw. -.03 @ 117 F.
RECEIVED
STATE CORPORATION COMMISSION
FEB 03 1991
CONSERVATION DIVISION
WICHITA, KANSAS

Tester Butch Young Witnessed by: Larry Benedick

Pressure Break Down

ORIGINAL

Test ticket no. 2874 Recorder no. 10269 Capacity 6500 Rec. Depth. 4978'

Initial Flow pressure <u>64</u> to <u>122</u>	Time	Given <u>30</u>	Computed <u>30</u>
Initial Closed in pressure <u>1488</u>		<u>60</u>	<u>60</u>
Final Flow pressure <u>161</u> to <u>258</u>		<u>60</u>	<u>60</u>
Final Closed-in pressure <u>1501</u>		<u>120</u>	<u>120</u>
Initial Hydrostatic pressure <u>2321</u>	Final Hydrostatic press. <u>2305</u>	Temp <u>117</u>	

Initial Flow Press.

Minutes	Press
0	--
5	64
10	70
15	87
20	100
25	112
30	122
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	

Initial Closed in Press.

Minutes	Press
0	122
3	500
6	1054
9	1202
12	1276
15	1321
18	1356
21	1379
24	1398
27	1414
30	1424
33	1434
36	1443
39	1453
42	1459
45	1466
48	1472
51	1479
54	1482
57	1485
60	1488
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

Final Flow Press

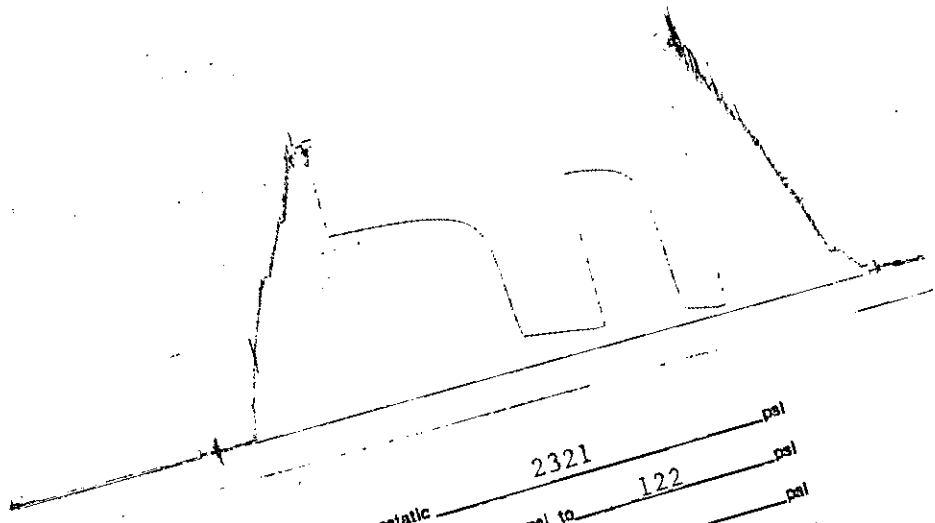
Minutes	Press
0	--
5	161
10	170
15	180
20	190
25	200
30	209
35	219
40	229
45	235
50	245
55	251
60	258
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	
135	
140	
145	
150	
155	
160	
165	
170	
175	
180	

Final Closed in Press.

Minutes	Press
0	258
3	
6	1054
9	
12	1228
15	
18	1302
21	
24	1344
27	
30	1376
33	
36	1395
39	
42	1414
45	
48	1427
51	
54	1440
57	
60	1450
63	
66	1459
69	
72	1469
75	
78	1475
81	
84	1479
87	
90	1482
93	
96	1485
99	
102	1491
105	
108	1495
111	
114	1498
117	
120	1501

RECEIVED
STATE CORPORATION COMMISSION
FEB 03 1991
CONSERVATION DIVISION
WICHITA, KANSAS

ORIGINAL



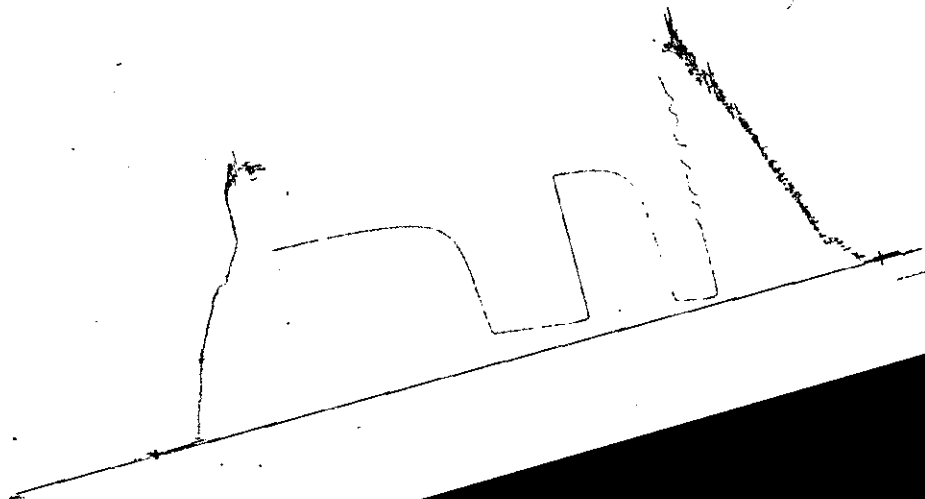
Initial Hydrostatic	_____	2321	_____	psi
IFP	_____	64	_____	psi to
ISIP	_____	161	_____	1488
FFP	_____	_____	_____	258
FSIP	_____	_____	_____	1501
Final Hydrostatic	_____	_____	_____	2305

RECEIVED
STATE CORPORATION COMMISSION

FEB 03 1991

CONSERVATION DIVISION
WICHITA, KANSAS

217



PHONE
316 / 624-340

DEAN'S TESTERS INC.

ORIGINAL

P. O. BOX 1182
LIBERAL, Ks. 67901

SEC. 18
TWP. 32S
RBE. 32W
COUNTY Seward
STATE Kansas
TICKET NO. 2875

Midwestern Exploration Co.
OPERATOR
Greson #1-18
WELL NAME & NO.
TEST # 3
5616' - 5700'
TEST INTERVAL

Formation Morrow Type Test Conventional Date Feb. 28, 1990

Anchor Length and Size 84'; 59' X 6" OD-D.C., 25' X 4 1/2" OD-Perf. Total Depth 5700'

Packer Depths 5611' & 5616' Below Straddle _____ Choke Size Bottom 5/8" Surface 1/4"

Equipment Run 2 Packers, Jars, Sample Chamber, Safty joint, Circ. sub.

Lengths: Tool 117' D.P. 5126' ID 3.8" Wt. P. _____ ID _____ D.C. 491' ID 2.25"

Mud Type Chemical Via. 48 Wt. 9.0 Wtr. Loss 9.2 Cl. 5,000 ppm

Recorders:

Depth <u>5633'</u>	Make <u>Kuster</u>	Cap. <u>6500</u>	Ser. No. <u>10269</u>	Inside
Depth <u>5637'</u>	Make <u>Kuster</u>	Cap. <u>6800</u>	Ser. No. <u>10217</u>	Outside
Depth _____	Make _____	Cap. _____	Ser. No. _____	Below Straddle

Pressures:

Tool on Bottom @ <u>4:55</u> PM.	Initial Hydrostatic <u>2717</u> psi
Initial Flow <u>30</u> Min.	IFP <u>61</u> psi to <u>61</u> psi
Initial Shut-In <u>60</u> Min.	ISIP <u>70</u> psi
Final Flow <u>60</u> Min.	FFP <u>61</u> psi to <u>61</u> psi
Final Shut-In <u>120</u> Min.	FSIP <u>167</u> psi
Tool off Bottom @ <u>9:25</u> PM.	Final Hydrostatic <u>2704</u> psi Temp. <u>127</u>

Blow: Weak increasing to fair on I.F.P., Weak on F.F.P.

Recovery: 60' Mud.

Gas Flow:

Sampler Data:

Pressure 45 PSI

Gas -- cu. ft.

Total Fluid 2000 cc

Oil -- cc

Water -- cc

Mud 2000 6,000 PPM Cl. cc

Oil Gravity _____ @ _____ °F.

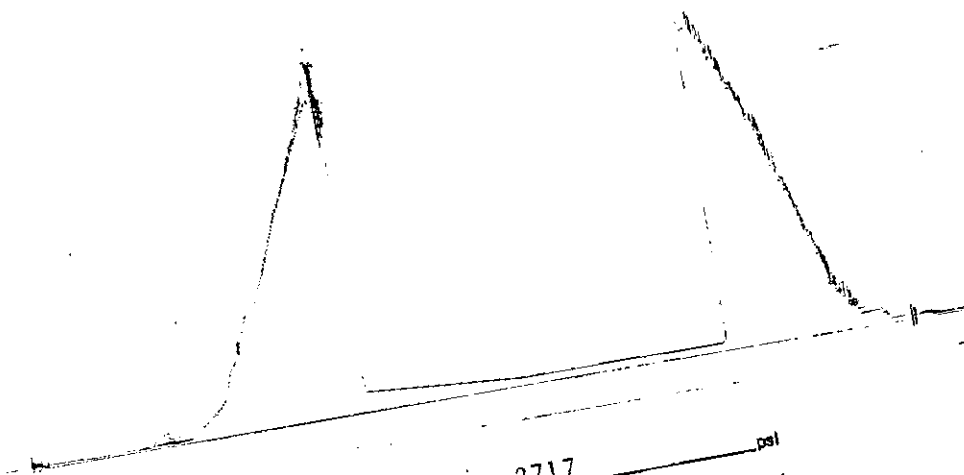
Gas/Oil Ratio _____

Remarks:

RECEIVED
STATE CORPORATION COMMISSION
FEB 03 1991
CONSERVATION DIVISION
WICHITA, KANSAS

Tester Butch Young Witnessed by: Larry Benedick

ORIGINAL

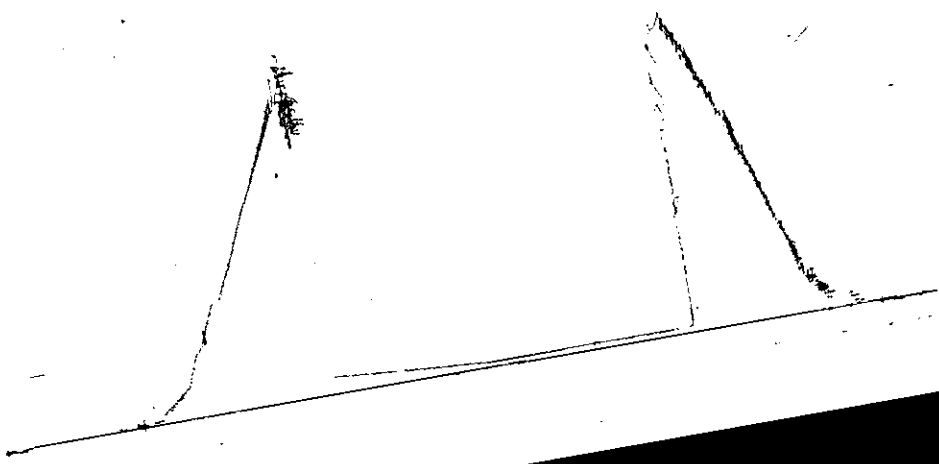


Initial Hydrostatic	2717	psi
IFP	61	psi to
ISIP	70	psi
FFP	61	psi to
FSIP	167	psi
Final Hydrostatic	2704	psi

RECEIVED
STATE CORPORATION COMMISSION

FEB 03 1991
CONSERVATION DIVISION
WICHITA, KANSAS

210





HALLIBURTON SERVICES

A Halliburton Company

REMIT TO:

P.O. BOX 951046
DALLAS, TX 75395-1046

917972

03/02/1990

PERSON 1-18

SEWARD

KS

SAME

GENERAL

SAGE DRLG

CEMENT PRODUCTION CASING

03/02/1990

590 LARRY G BENEDICK

COMPANY TRUCK

91522

DIRECT CORRESPONDENCE TO:

ANDERMAN/SMITH OPERATING
SUITE 1200 WILLIAMS CENTER TWR
1 W 3RD ST.
TULSA, OK 74103

SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

QTY	DESCRIPTION	UNIT	UNIT PRICE	AMOUNT
20	MILEAGE	MI	2.20	44.00
1		UNT		
3119	CEMENTING CASING	FT	957.00	957.00
1		UNT		
5	CLAYFIX II	GAL	17.25	86.25
9	CENTRALIZER 4-1/2" MODEL 8-4	EA	41.00	369.00
2,300	FORM PKR SHOE FLAP VLV 4 1/2" STATE CORPORATION COMMISSION	EA	2,300.00	2,300.00
275	PREMIUM PLUS CEMENT	SK	7.08	1,947.00
140	HALL. LIGHT - PREMIUM PLUS	SK	6.29	880.60
104	FLOCELE	LB	1.23	127.92
26	CFR-2	LB	3.75	97.50
104	HALAD-4	LB	6.50	676.00
415	BULK SERVICE CHARGE	CFT	.95	394.25
389.960	MILEAGE CNTG MAT DEL OR RETURN	THI	.70	272.97
INVOICE SUBTOTAL				6,152.49
DISCOUNT - (BID)				
INVOICE BID AMOUNT				1,222.84
				6,929.65
*- KANSAS STATE SALES TAX				255.23
*- SEWARD COUNTY SALES TAX				60.07
INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$7,244.95

RECEIVED
FEB 03 1991
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
WICHITA, KANSAS

GREEN 1-13
915 0110
OK DAN

TERMS INVOICES PAYABLE NET, BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO