

TOWN OIL COMPANY

"Drilling and Production"

14-13-205

913-294-2125

Route 4
Paola, Kansas 66071

Well #J-5
Douglas County, KS.
Farm: J. Gage
Lease Owner: Town Oil Co.

WELL LOG

Thickness of Strata	Formation	Total Depth
0-25	Sandy Clay	25
12	Shale	37
4	Lime	41
2	Shale & shells	43
15	Lime	58
6	Shale & slate	64
7	Lime	71
12	Shale	83
20	Lime	103
9	Sand	112
26	Sandy shale	138
28	Lime	166
38	Sandy shale	204
10	Lime	214
4	Shale & shells	218
4	Lime	222
2	Slate	224
2	Lime	226
14	Sandy shale	240
8	Shale & shells	248
9	Lime	257
10	Sandy shale	267
3	Shale & shells	270
8	Sandy shale	278
9	Lime	287
6	Shale & shells	294
36	Lime	330
6	Shale & slate	336
24	Lime	360
4	Shale & shells	364
3	Lime	367
2	Shale & shells	369
8	Lime	377
3	Shale & shells	380
8	Sand	388
124	Sandy shale	512
13	Shale & shells	525
16	Sandy shale	541
6	Lime	547
3	Shale & shells	550
3	Lime	553
2	Shale & shells	555
2	Slate	557
3	Shale & shells	560
3	Lime	563

Hertha

RECEIVED
STATE CORPORATION COMMISSION

APR 28 1988

CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION

JUL 21 1988

CONSERVATION DIVISION
Wichita, Kansas

14-13-20E

Well #J-5
Douglas County, Ks.
Farm: J. Gage
Lease Owner: Town Oil Co.

WELL LOG (cont'd)

Thickness of Strata	Formation	Total Depth
7	Shale & shells	570
13	Sandy shale	583
3	Lime	586
4	Shale & slate	590
7	Shale & shells	597
3	Lime	600
5	Shale & red bed	605
16	Shale	621
8	Shale & shells	629
4	Shale	633.5
1	Sand	634.5
1	Lime	635.5
.5	Sand	636
1	Lime	637
4	Sand	641
2	Sandy broken	643
39	Sandy shale	682 TD

RECEIVED
STATE CORPORATION COMMISSION

APR 28 1988

CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION

APR 28 1988

CONSERVATION DIVISION
Wichita, Kansas

STATION OH OPERATOR Wichita
CONSOLIDATED OIL WELL SERVICES, INC.

P.O. Box 884
 Chanute, Kansas 66720
 Phone (316) 431-9210

Ticket 7254
4-13-20E

Date	Customer's Acct. No.	Sec.	Twp.	Range	Well No. & Farm	Place or Destination
10-16-87	78234	14	13	20	9992 #5	Scidona
Charge To			Owner			County
Town Oil						Johnson
Mailing Address			Contractor			State
R#4			Company Tools			Ks
City & State			Well Owner Operator Contractor			
Paola, KS 66071						

CEMENTING SERVICE DATA

TYPE OF JOB	CASING	HOLE DATA	PLUGS AND HEAD	PRESSURE	CEMENT LEFT IN CASING
Surface	New	Bore Size 5 1/2	Bottom	Circulating 500	Requested
Production	Used	Total Depth 819'	Top	Minimum 400	Necessity
Squeeze	Size 2 1/2		Head	Maximum 1000	Measured
Pumping	Weight	Cable Tool	FLOAT EQUIPMENT	Sacks Cement 715	
Oth	Depth 658'	Rotary		Type & Brand Portland Cement #2	
	Type 1010			Admixes 2° salt 2° oil	

FRACTURING - ACIDIZING SERVICE DATA

Type of Job	At Intervals of				
Fluid	Breakdown Pressure from	psi to	psi		
Treating Pressures: Maximum	psi	Minimum	psi	Avg. Pump Rate	GPM/BPM
Sand	Gals. Treating Acid	Type	Open Hole Diameter		
Well Treating Through: Tubing	Casing	Annulus	Size	Weight	
Remarks:					
No. Perforations	Pay Formation Name	Depth of Job	Ft.		

CEMENTING well
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH
 JUL 27 1988
 5401

INVOICE SECTION

FRACTURING - ACIDIZING

Pumping Charge	Office Use	Pumping Charge	Office Use
71 Sacks Bulk Cement @ 1101 372.75	\$ 325.00	12x30 Sand @	\$
Ton Mileage on Bulk Cement 50 @ 6401 57.00		10x20 Sand @	
45 Premium Gel @ 1301 27.60		x Sand @	
Flo-Seal @ 1302 15.00		Ton Mileage @	
Calcium Chloride @		Gals., Acid @	
Plug @		Chemicals @	
Equipment @		Potassium Chloride @	
@		Rock Salt @	
@		Water Gel @	
150/6 Granulated Salt @ 1305 15.00		Transport Truck (Hrs.) @	
Vac Truck (Hrs.) @		Vac Truck (Hrs.) @	
@		Tax 21.67	

RECEIVED
 STATE CORPORATION COMMISSION

APR 28 1988

CONSERVATION DIVISION
 Wichita, Kansas

RECEIVED
 STATE CORPORATION COMMISSION

JUL 21 1988

CONSERVATION DIVISION
 Wichita, Kansas

A Finance Charge computed at 1% per month (annual percentage rate of 21%) will be added to balance over 30 days.

Total \$ 532.12

Total \$