

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32302
Name: Key Gas Corp
Address: 155 N Market Suite 900
City/State/Zip: Wichita, Kansas 67202
Purchaser: _____
Operator Contact Person: Rod Andersen
Phone: (316) 265-2270 **JAN 06 2003**
Contractor: Name: Duke Drilling
License: _____
Wellsite Geologist: Rod Andersen

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

12-10-01 12-20-01 1-20-02
Spud Date or Date Reached TD Completion Date or
Recompletion Date

API No. 15 - 007-22689
County: Barber
SW Sec. 36 Twp 32 S. R. 15 East West
660 feet from N (circle one) Line of Section
660 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW

Lease Name: Carr Well #: 2A-36
Field Name: DeGeer NE
Producing Formation: Mississippian

Elevation: Ground: 1980 Kelly Bushing: 1988
Total Depth: 4981 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 350 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.

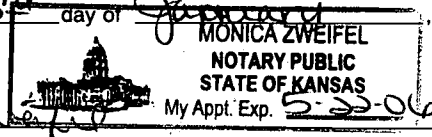
Drilling Fluid Management Plan **Att 1 Cell 1-7-03**
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report 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.

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: Rod Andersen
Title: Geologist Date: 12-30-02
Subscribed and sworn to before me this 3rd day of January
2003
Notary Public: Monica Zuefel My Appt. Exp. 5-29-06
Date Commission Expires: 5-29-06



KCC Office Use ONLY
NO Letter of Confidentiality Attached
If Denied, Yes Date: _____
YES Wireline Log Received
NO Geologist Report Received
____ UIC Distribution

Operator Name: Key Gas Corp Lease Name: Carr Well #: 2A-36

Sec. 36 Twp. 32 S. R. 14 East West County: Barber

INSTRUCTIONS: Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i></p> <p>List All E. Logs Run: Dual Induction Log Dual Compensated Porosity Log Cement Bond Log</p>	<p><input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Chase Group</td> <td>2335</td> <td>-337</td> </tr> <tr> <td>Topeka</td> <td>3642</td> <td>-1643</td> </tr> <tr> <td>Heebner</td> <td>4124</td> <td>-2125</td> </tr> <tr> <td>Brown Lime</td> <td>4268</td> <td>-2269</td> </tr> <tr> <td>Lansing</td> <td>4312</td> <td>-2313</td> </tr> <tr> <td>Base Kansas City</td> <td>4782</td> <td>-2783</td> </tr> <tr> <td>Marmaton</td> <td>4792</td> <td>-2793</td> </tr> <tr> <td>Mississippian</td> <td>4880</td> <td>-2881</td> </tr> </tbody> </table>	Name	Top	Datum	Chase Group	2335	-337	Topeka	3642	-1643	Heebner	4124	-2125	Brown Lime	4268	-2269	Lansing	4312	-2313	Base Kansas City	4782	-2783	Marmaton	4792	-2793	Mississippian	4880	-2881
Name	Top	Datum																										
Chase Group	2335	-337																										
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Marmaton	4792	-2793																										
Mississippian	4880	-2881																										

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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	# Sacs Used	Type and Percent Additives
Surface	12 1/4	10 3/4	24#	350	60/40 poz	300	
Production	7 7/8	5 1/2		4981	AAZ	300	10% salt
			DV tool		AAZ	275	10% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	4925-35	500 gas HCL	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr.	Producing Method
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

1 HR
30 M

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

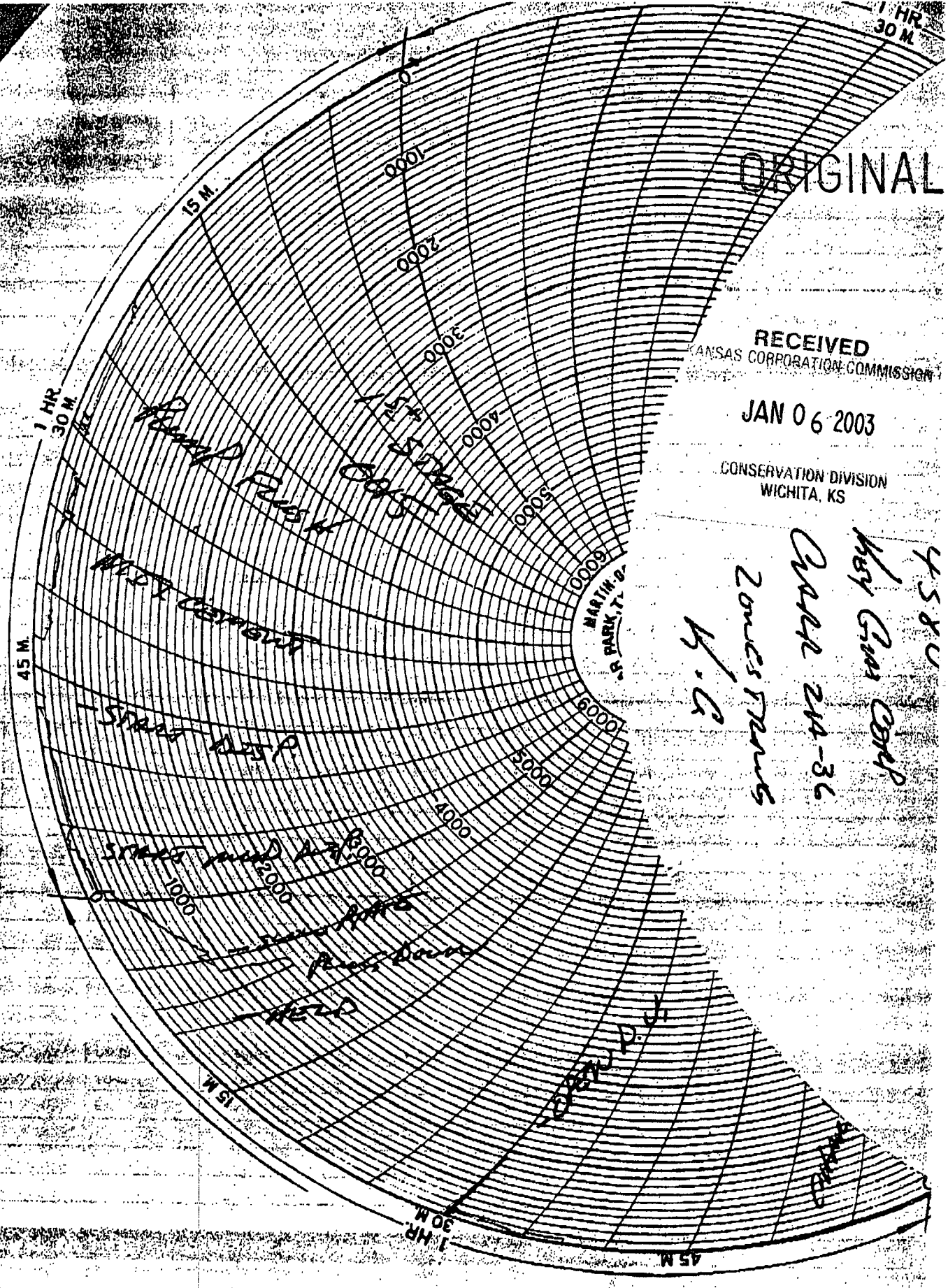
JAN 06 2003

CONSERVATION DIVISION
WICHITA, KS

4580
key area camp

Case 201-36

Zones 1-3
V.C.



ORIGINAL

TREATMENT REPORT



Customer ID		Date	
Customer <i>KEY LIGHT CORP.</i>		<i>12-21-01</i>	
Lease <i>CARR</i>		Lease No.	Well # <i>24-36</i>
Field Order # <i>4380</i>	Station <i>PRATT KS</i>	Casing <i>5 1/2</i>	Depth <i>4974'</i>
Type Job <i>LOWESTRING - NEW WELL</i>		County <i>DEKALB</i>	State <i>KS.</i>
Formation <i>T1-4975'</i>		Legal Description <i>36-32-15</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size <i>2 1/2</i>	Shots/Ft <i>700L</i>	1 st STAGE	Acid <i>200 SK. HAZ CEMENT</i>	RATE	PRESS	ISIP	
Depth <i>4974'</i>	Depth <i>ON JT # 64</i>	From	To	Pre-Flush <i>10% SALT 5" GEL SOL. 5 1/2"</i>	Max		6 Min.	
Volume <i>RT 2500</i>	Volume <i>RT 2500</i>	From	To	Post-Flush <i>.75% FLU-322</i>	Min		10 Min.	
Max Press	Max Press	From	To	Pre-Flush <i>275 SK. HAZ CEMENT</i>	Aug		15 Min.	
Well Connection	Annulus Vol.	From	To	Post-Flush <i>10% SALT 5" GEL SOL. 5 1/2"</i>	HR Used		Annulus Pressure	
Plug Depth <i>4954'</i>	Packer Depth	From	To	Post-Flush <i>.75% FLU-322</i>	Gas Volume		Total Load	

Customer Representative: *H. CURTIS* Station Manager: *D. HATRY* Truck: *H. GURLEY*

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1730</i>					<i>RECEIVED</i>
<i>2130</i>					<i>KANSAS CORPORATION COMMISSION</i>
					<i>JAN 06 2003</i>
					<i>CONSERVATION DIVISION WICHITA, KS</i>
<i>2350</i>					<i>WELL LOCATION 12-21-01</i>
<i>2020</i>	<i>300</i>		<i>20</i>	<i>6</i>	<i>RUN 4981' 5 1/2" CASING, RUN</i>
	<i>300</i>		<i>12</i>	<i>6</i>	<i>FLOAT SHOE, L.D. BAFFLE IN 1st COLLAR</i>
	<i>300</i>		<i>3</i>	<i>6</i>	<i>CERT. - 1-37-114-17-20-23-26-29-41-51-70-74</i>
	<i>200</i>		<i>51</i>	<i>6</i>	<i>BASKET - 7 - 15 - 21 - 62</i>
	<i>0</i>		<i>0</i>	<i>8</i>	<i>2-STAGE COLLAR ON TOP OF JT. # 64</i>
	<i>400</i>		<i>60</i>	<i>8</i>	<i>TAG BOTTOM, DROP BALL, BREAK CONC.</i>
	<i>900</i>		<i>115</i>	<i>5</i>	<i>PUMP 70 bbl CO-1 H₂O</i>
<i>0100</i>	<i>1600</i>		<i>121</i>	<i>5</i>	<i>PUMP 12 bbl MUD FLUSH</i>
<i>0130</i>	<i>1100</i>		<i>1/2</i>	<i>1</i>	<i>PUMP 3 bbl H₂O SPACER</i>
	<i>200</i>		<i>35</i>	<i>6</i>	<i>MIX CEMENT - 200 SK. HAZ</i>
	<i>200</i>		<i>63</i>	<i>6</i>	<i>SHUT DOWN - WASH LINE - DROP PLUG</i>
	<i>0</i>		<i>0</i>	<i>8</i>	<i>START DISP</i>
					<i>START MUD DISP?</i>
					<i>SLOW RATE</i>
					<i>PLUG DOWN - RELEASE - HEAD</i>
					<i>OPEN 2-STAGE COLLAR - CONC</i>
					<i>PUMP 20 bbl CO-1 12 bbl MUD FLUSH</i>
					<i>MIX CEMENT - 250 SK. HAZ</i>
					<i>SHUT DOWN - WASH LINE - DROP PLUG</i>
					<i>START DISP</i>

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383

5300 1500 *614* *White - Accounting* *Canary - Customer* *Pink - Field Office* *Blue - Release - Head*

ORIGINAL



INVOICE NO.	Subject to Correction			FIELD ORDER	4380
Date	12-21-01	Lease	CHRR	Well #	ZA-36
Customer ID		County	BARBER	State	KS.
		Depth		Formation	
				Shoe Joint	20.79'
		Casing	5/2	Casing Depth	4974'
				TD	4975'
		Customer Representative	A. CURTIS	Treasurer	K. GURLEY

KEY GAS CORP.

CHARGE

AFE Number	PO Number	Materials Received by	X <i>Allen G. Curtis</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D705	200 SK.	AAZ CEMENT				
D705	275 SK.	AAZ CEMENT				
C196	33.16	FLA-322				
C243	45.16	DEFORMER				
C302	2375.16	GILSONOTE				
C223	2231.16	SHRT				
F101	15 EA.	5/2 CENTRALIZER				
F111	4 EA.	5/2 BASKET				
F181	1 EA.	5/2 APU FRONT SHOE				
F221	1 EA.	5/2 2-STAGE CEMENT CONN.				
C141	4 gal.	CC-1				
C302	1000 gal.	MILD FLUSH				
E107	475 SK.	CEMENT SERV. CHARGE				
E100	50 miles	UNITS MILES				
E104	1118 TM	TONS MILES				
R210	1 EA.	EA. 4974' PUMP CHARGE				
R201	1 EA.	CEMENT HEADS RENTAL				
		PRICE =		15189.11		
		TAX				

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 06 2003
OBSERVATION DIVISION
WICHITA, KS



ORIGINAL

SALES OFFICE:
 105 S. Broadway
 Suite #420
 Wichita KS 67202
 (316) 262-3699
 (316) 262-5788 FAX

SALES & SERVICE OFFICE:
 10244 NE Hiway 61
 P.O. Box 8813
 Pratt, KS 67124-8813
 (316) 872-1201
 (316) 872-5383 FAX

ACIDIZING • FRACTURING • CEMENTING

Invoice

RECEIVED		INVOICE		INVOICE DATE		ORDER		ORDER DATE	
KANSAS CORPORATION COMM		112074		12/31/01		4380		12/21/01	
Bill to: Key Gas Corporation 410 Urban Drive Hutchinson, KS 67501		JAN 06 2003		Service Description Cement					
CONSERVATION DIVISION WICHITA, KS		Lease Carr		Well 2A-36					
APE	CustomerRep	Treater	Well Type	Purchase Order	Terms				
	A. Curtis	K. Gordley	New Well		Net 30				

ID.	Description	UOM	Quantity	Unit Price	Price
D205	AA2 (COMMON)	SK	475	\$13.06	\$6,203.50
C196	FLA-322	LB	336	\$7.25	\$2,436.00
C243	DEFOAMER	LB	45	\$3.00	\$135.00
C322	GILSONITE	LB	2375	\$0.55	\$1,306.25
C223	SALT (Fine)	LBS	2231	\$0.35	\$780.85
F101	CENTRALIZER, 5 1/2"	EA	15	\$71.00	\$1,065.00
F111	BASKET, 5 1/2"	EA	4	\$205.00	\$820.00
F181	AUTO FILL FLOAT SHOE, 5 1/2"	EA	1	\$290.00	\$290.00
F221	TWO STAGE CEMENT COLLAR, 5 1/2"	EA	1	\$2,900.00	\$2,900.00
C141	CC-1, KCL SUBSTITUTE	GAL	4	\$40.00	\$160.00
C302	MUD FLUSH	GAL	1000	\$0.75	\$750.00
E107	CEMENT SERVICE CHARGE	SK	475	\$1.50	\$712.50
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.00	\$150.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	1118	\$1.25	\$1,397.50
R210	CASING CEMENT PUMPER, 4501-5000'	EA	1	\$1,740.00	\$1,740.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

Sub Total: \$21,096.60

Discount: \$5,907.49

Discount Sub Total: \$15,189.11

Tax Rate: 5.90% Taxes: \$0.00

(1) Taxable Item

Total: \$15,189.11

PLEASE REMIT TO Acid Services, LLC, Dept No 1131, Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

ORIGINAL

TREATMENT REPORT



Customer ID		Date	
Customer KEY GAS CORP.		12-14-01	
Lease CHRR		Lease No.	Well # 2A-36
Field Order # 4376	Station PRATT, KS.	Casing 10 3/4	Depth 349'
Type Job SIRENIE - NEW WELL		County RITZBERG	State KS
Formation TD-350'		Legal Description 36-32-15	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 10 3/4	Tubing Size	Shots/Ft		Add 300 SL 60/100 P07		RATE	PRESS	ISP
Depth 349	Depth	From	To	Res Fluid 26.622 3% CC	Max			9 Min.
Volume	Volume	From	To	Pack 1/4 #12 C.F.	Min			10 Min.
Max Press	Max Press	From	To	Frac	Aug			15 Min.
Well Connection	Annulus Vol.	From	To	100 SL (COMMUNIC)	ISP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 3% CC	Gas Volume			Total Load

Customer Representative J. WHEELER	Station Manager D. HUTCH	Treater K. GORDON
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Service Units	107	35	57	34	70	31	77
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0200					DIV LOCATION
					RUN 349' 10 3/4" C.A.S.T.A.U.C
					BREAK WIRE
0400	200		0	6	START MIX (CEMENT)
					300 SL 60/100 P07 26.622 3% CC 1/4 #12 C.F.
	100		66	6	FRESH MIX (CEMENT)
					SHUT DOWN - RELEASE PLUG
	0		0	6	START DISP
0430	200		33	6	PULL DOWN
					DID NOT CIRC. (CEMENT)
					RUN LEAK CEMENT AT 60'
0445					ORDER 100 SL (COMMUNIC) 3% CC
0700					RUN 60' 1" TUBING
0730					MAINT 100 SL (COMMUNIC) 3% CC
					RECEIVED KANSAS CORPORATION COMMISSION
					CIRC CEMENT IN CELLAR
0800					CELLAR STAIN FULL OF CEMENT
					JAN 06 2003
					CONSERVATION DIVISION WICHITA, KS
0830					JOB COMPLETE
					TARRANTS - VERON

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ORIGINAL



INVOICE NO.	Subject to Correction			FIELD ORDER	4376
Date	12-14-01	Lessee	CHIR	Well #	74-36
Customer ID		County	BARBEX	State	KS.
		Depth		Formation	
		Casing	10 3/4	Casing Depth	347
		TD	350	Job Type	SURFACE NEW WELL
		Customer Representative	K. WHELEK	Treater	K. GORDLEY

CHARGE

APE Number	PO Number	Materials Received by	X Rich. Whelan
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D203	300 SK	60/4602 CEMENT				
C310	774 LB	CITICORUM CHLORIDE				
C95	75 LB	CELL FLUKE				
F144	1 EA.	10 3/4 WOOD PULG				
D200	100 SK	COMMON CEMENT				
C310	184 LB	CITICORUM CHLORIDE				
E107	300 SK	CEMENT SERV. CHARGE				
E100	50 mile	UNITS	MILES			
E104	1/2 STN	TONS	MILES			
R201	1 EA.	EA. 349'	PUMP CHARGE			
E104	735 TH					
E107	100 SK	CEMENT SERV. CHARGE				
		DISCOUNT PRICE =		5135.44		
		PLUS TAX				

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 06 2003
CONSERVATION DIVISION
WICHITA, KS



ORIGINAL

SALES OFFICE:
 105 S. Broadway
 Suite #420
 Wichita KS 67202
 (316) 262-3899
 (316) 262-6788 FAX

SALES & SERVICE OFFICE:
 10244 NE Hwy 81
 P.O. Box 8613
 Pratt, KS 67124-8613
 (316) 672-1201
 (316) 672-5383 FAX

ACIDIZING • FRACTURING • CEMENTING

Invoice

Bill to:		6906000	Invoice	Invoice Date	Order	Order Date
Key Gas Corporation 410 Urban Drive Hutchinson, KS 67501			112055	12/27/01	4376	12/14/01
			Service Description			
			Cement			
			Lease		Well	
			Carr		2A-36	
APE	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	Rich Wheeler	K. Gordley	New Well		Net 30	

JAN 06 2003

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D203	60/40 POZ (COMMON)	SK	300	\$7.75	\$2,325.00
C310	CALCIUM CHLORIDE	LBS	962	\$0.75	\$721.50
C195	CELLFLAKE	LB	75	\$1.85	\$138.75
F144	WOODEN CEMENT PLUG, 10 3/4"	EA	1	\$117.00	\$117.00
D200	COMMON	SK	100	\$10.25	\$1,025.00
E107	CEMENT SERVICE CHARGE	SK	400	\$1.50	\$600.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.00	\$150.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	880	\$1.25	\$1,100.00
R201	CASING CEMENT PUMPER, 301-500'	EA	1	\$670.00	\$670.00

Sub Total: \$6,847.25
Discount: \$1,711.81
Discount Sub Total: \$5,135.44
Tax Rate: 5.90% **Taxes:** \$0.00
(T) Taxable Item **Total:** \$5,135.44

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.