

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 # 5056
Name: F.G. Holl Company, L.L.C.
Address: 9431 E. Central, Suit 100, P.O. BOX 780167
City/State/Zip: Wichita, Kansas 67278-0167
Purchaser: _____
Operator Contact Person: Franklin R. Greenbaum
Phone: (316) 684-8481
Contractor: Name: Duke Drilling Company, Inc.
License: 5929
Wellsite Geologist: Bill Ree

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: _____ **DEC 18 2002**

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. _____

<u>10/09/2002</u>	<u>10/19/2002</u>	<u>12/10/2002</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 047-21472-0000
County: Edwards 80' E. of
NW NW SW Sec. 33 Twp. 24 S. R. 17 East West
2310 feet from S (circle one) Line of Section
410 feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: BOWMAN Well #: 1-33
Field Name: Wildcat

Producing Formation: Cottonwood
Elevation: Ground: 2133' Kelly Bushing: 2142'
Total Depth: 4635' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 319 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 See 12-30-02
(Data must be collected from the Reserve Pit)
Chloride content 16,000 ppm Fluid volume 1,000 bbls
Dewatering method used Hauled Free Fluids to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: F.G. Holl Company, L.L.C.
Lease Name: McBurney SWD License No.: 5056
Quarter NE Sec. 22 Twp. 24 S. R. 17 East West
County: Edwards Docket No.: D-24,542

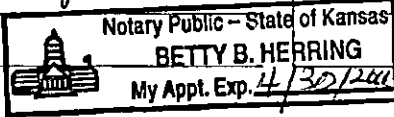
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: Franklin R. Greenbaum
Title: Exploration Manager Date: 12/11/2002

Subscribed and sworn to before me this 11th day of December, 2002
Notary Public: Betty B. Herring

Date Commission Expires: 04/30/2006



KCC Office Use ONLY

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

Operator Name: F.G. Holl Company, L.L.C. Lease Name: BOWMAN Well #: 1-33
 Sec. 33 Twp. 24 S. R. 17 East West County: Edwards. 80' E. of

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.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets) 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: CNL/CDL MEL/BHCS/DIL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum See additional sheet
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CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23#	319'KB	60/40 Poz	225sx	2% gel, 3%cc
Production	7-7/8"	4-1/2"	10.5#	4616'KB	50/50 Poz	150sx	
					A-Serv. Lite	75sx	

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				

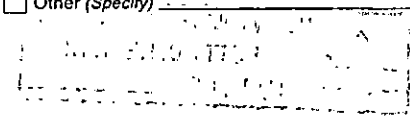
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 .SPF	2778' - 2790' Cottonwood		

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>2790'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr.	Producing Method
<u>Waiting on Gas pipeline connection</u>	<input checked="" 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
<u>Test results</u>		<u>2,210</u>			

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Sumit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	<u>2778' - 2790' Cottonwood</u>



ORIGINAL

DAILY DRILLING REPORT – BOWMAN NO.1-33
Edwards County, Kansas

Formation	Sample Tops	Datum	E-Log Tops	Datum
Anhy				
B/Anhy				
Herrington	2278	-136	2278	-136
Winfield				
Towanda				
Cotton wood	2759	-617	2761	-619
Red Eagle	2889	-747	2891	-749
Fort Riley	2974	-832	2973	-831
Wabaunsee	3081	-939	3081	-939
Langdon ss	3155	-1013	3151	-1009
Stotler	3213	-1071	3213	-1071
Tarkio	3263	-1121	3263	-1121
Berne	3349	-1207	3350	-1208
Howard	3416	-1274	3417	-1275
Topeka	3496	-1354	3492	-1350
Heebner	3812	-1670	3809	-1667
Douglas Sh.	3842	-1700	3842	-1700
Brown Lime	3937	-1795	3937	-1795
LKC	3950	-1808	3947	-1805
BKC	4252	-2110	4252	-2110
Marmaton	4314	-2172	4314	-2172
Cherokee Sh	4412	-2270	4408	-2266
Cherokee ss	4434	-2292	4425	-2283
Mississippi	4460	-2318	4454	-2312
Kinderhook	4487	-2345	4484	-2342
Viola	4560	-2418	4562	-2420
RTD	4635	-2493	4635	-2493

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 KANSAS CORPORATION COMMISSION

DEC 18 2002

CONSERVATION DIVISION
 WICHITA, KS

Mud-Co / Service Mud, Inc.

ORIGINAL

Operator FG Holl County/State Edwards, Ks. Pump 5 1/2 15 18 X 60 SPM Casing Program 8 5/8 " @ 319 ft.
 Well #1-33 Bowman Location _____ GPM 6.9 BPM " @ _____ ft.
 Contractor Duke Drilling #4 Sec 33 TWP 24S RNG 17W D.P. 4 1/2 in. 170 FT/MIN R.A. " @ _____ ft.
 Stockpoint Pratt, Ks. Date 10/09/02 Engineer Rick Hughes Collar 6 1/4 in. 594 ft. 309 FT/MIN R.A. Total Depth 4635 ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min.	pH Strip Meter	FILTRATION			FILTRATION ANALYSIS			SAND %	RETORT			L.C.M. #/bbl	Pump Press. PSI	CUMULATIVE COST	REMARKS AND TREATMENT	
			Sec API @ F	PV @ F	Yp			ml API	Cake 32nds	Pres. #/BBL	Cl ppm	Ca ppm	Solids %		Oil %	Water %						
10/09	0																				Move in rig	
10/11	1706																					Drig.
10/12	2257	8.7	58	11	35	33/58	7.0	6.8	2		4000	480		2.5		97.5						Drig.
10/13	2800	9.1	38	9	15	17/22	7.0	8.0	2		7000	nc		5.2		94.8						Drig.
10/14	2972	9.1	37	8	14	12/22	7.0	8.8	2		10m	nc		5.1		94.9						Drig.
10/15	3470	8.9	50	18	13	11/34	11.5	7.6	1		2800	40		4.0		96.0						Drig.
10/16	4006	9.3	58	20	16	18/49	11.0	8.0	1		3400	40		6.8		93.2						Drig.
10/17	4394	9.2	54	20	14	16/48	9.5	8.8	2		3400	60		6.2		93.8						Drig.
10/18	4461	9.3	56	19	18	17/37	10.0	9.6	2		4000	80		6.8		93.2						Pump repair, DST #2 - 4448'.
10/19	4635	9.1	57	18	15	20/55	9.5	10.0	2		5400	80		5.4		94.6						CFS, DST #3 - 4496', lost 200 bbls fluid at 4620'.
10/20	4635																					Final, 3 DST's, log OK. Lost 500-600 bbls fluid at TD. Ran production casing
																						Reserve pit: 16,000 ppm chlorides 1,000 bbls volume

MUD-CO / SERVICE MUD INC

100 S. Main Suite #405
Wichita, Ks. 67202
316/264-2814 Fax: 316/264-5024

DRILLING MUD RECAP

MATERIALS	AMOUNT	MATERIALS	SACKS	AMOUNT	MATERIALS	SACKS	AMOUNT
C/S Hulls	89						
Caustic Soda	21						
Drill Pak	3						
Lime	5						
Multo Blend	20						
Premium Gel	577						
Soda Ash	20						
Starch	79						
Super Lig	19						
X Cide 102w	2						
				Total Mud Cost			
				Trucking Cost			
				Trucking surcharge			
				Taxes			
				TOTAL COST			

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 CONSERVATION DIVISION
 WICHITA, KS



15-047-21472-0000

ORIGINAL

SALES OFFICE:
 105 S. Broadway
 Suite #420
 Wichita KS 67202
 (316) 262-3699
 (316) 262-5799 FAX

SALES & SERVICE OFFICE:
 1122 E. 19th St.
 Dept. 130-36-11
 Empire, KS 67039
 (316) 262-3699
 (316) 262-5799 FAX

ACIDIZING - FRACTURING - CEMENTATION

Invoice

Bill to:		3678275	Invoice	Invoice Date	Order	Order Date
F G HOLL P O BOX 158 BELPRE, KS 67519			210071	10/23/02	5430	10/20/02
Service Description						
Cement						
			Lease		Well	
			Bowman		I-33	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	R. Long	T. Seba	New Well		Net 30	

10/31/02
11/20/02

405/050- 15,911.24

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D204	50/50 POZ (COMMON)	SK	350		
D206	A-SERV LITE (COMMOM)	SK	100		
C195	CELLFLAKE	LB	112		
C196	FLA-322	LB	304		
C310	CALCIUM CHLORIDE	LBS	588		
C321	CEMENT GEL	LB	588		
C311	CAL SET	LBS	1750		
C322	GILSONITE	LB	4500		
C313	GAS BLOCK POWDER	LB	126		
F100	CENTRALIZER, 4 1/2"	EA	10		
F110	BASKET, 4 1/2"	EA	2		
F150	LATCH DOWN PLUG & BAFFLE, 4 1/2"	EA	1		
F180	AUTO FILL FLOAT SHOE, 4 1/2"	EA	1		
F220	TWO STAGE CEMENT COLLAR, 4 1/2"	EA	1		
F252	ROTATING SCRATCHERS	EA	31		
C223	SALT (Fine)	LBS	800		
C302	MUD FLUSH	GAL	1000		
C303	SUPER FLUSH	GAL	1000		
E107	CEMENT SERVICE CHARGE	SK	450		
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	857		
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM			
R701	CEMENT HEAD RENTAL	EA	1		
R702	CASING SWIVEL RENTAL	EA	1		

ENTD OCT 21 2002

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CONSERVATION DIVISION
WICHITA, KS

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OCT 28 2002
BY: Terry Baird

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OCT 31 2002

PLEASE REMIT TO Acid Services, LLC, Dept No 1131, T

Accounts become past due the last day of the month following billing. Interest rate 1.5% per m



INVOICE NO.		Subject to Correction		FIELD ORDER 1430	
Date	10-20-02	Lease	Bowman	Well #	1-33
Customer ID		County	EDWARDS	State	Ks
F.G. Holl		Depth	Formation		Shoe Joint
		Casing	4 1/2	Casing Depth	4614'
		TD	4635'		Job Type
		Customer Representative	Kob LONG		Treater
					2 STAGE 4 1/2 L.S. New well

CHARGE

AFE Number	PO Number	Materials Received by	X Rob Jones
------------	-----------	-----------------------	-------------

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-204	150 SKS	50/50 Pbz	✓			
D-206	102 SKS	A-SERV LITE	✓			
D-204	200 SKS	50/50 Pbz	✓			RECEIVED KANSAS CORPORATION COMMISSION
C-195	112 lbs	CELL PLATE	✓			
C-196	304 lbs	FLA-322	✓			DEC 18 2002
C-310	588 lbs	CALCIUM CHLORIDE	✓			
C-321	588 lbs	CEMENT GEL	✓			CONSERVATION DIVISION WICHITA, KS
C-311	1,750 lbs	CAL SET	✓			
C-322	4,500 lbs	GILSONITE	✓			
C-313	126 lbs	GAS Blok	✓			
F-100	10 EA	TURBOLIZER 4 1/2"	✓			
F-110	2 EA	CMT BSKT "	✓			
F-150	1 EA	L.O. PLUG & BAFFLE "	✓			
F-180	1 EA	AUTO FILL FLOAT SHOE "	✓			
F-220	1 EA	TWO STAGE CMT COLLAR "	✓			
F-252	31 EA	CMT SCRATCHERS ROTATE TYPE	✓			
C-223	800 lbs	SALT (FINE)	✓			
C-302	1,000 GAL	MUD FLUSH	✓			
C-303	1,000 GAL	SUPER FLUSH	✓			
E-107	450 SKS	CEMENT SERV. CHARGE				
E-100	AS ms	UNITS /WAY MILES AS				
E-104	857 TM	TONS MILES				
		EA. PUMP CHARGE				
R-701	1 EA	CEMENT HEAD RENTAL				
R-702	1 EA	CSG. SWIVEL RENTAL				
		DISCOUNTED PRICE =				
		+ TAXES				

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-120

TREATMENT REPORT ORIGINAL



Customer ID		Date	
Customer T-C-Holl		10-20-02	
Lease Bowman		Lease No.	Well # 1-33
Field Order # A-30	Station PRATT	Casing 4 1/2	Depth 4614'
		County EDWARDS	State KS

Type Job: 2 STAGE 4 1/2 L.S. NEW WELL
Formation: 33-245-17W
Legal Description: 33-245-17W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft	1st Stage	Lead CMT	RATE	PRESS	ISIP	
Depth 4614	Depth	From	To 75 SK	17-SEW LITE	Max	20 bbls SALT	5 Min	Flush
Volume	Volume	From	To	12.9#/GAL 1.81 ST ³	Min	12 bbls MUD	10 Min	Flush
Max Press	Max Press	From	To	FRAC TAIL CMT	Avg	12 bbls SUPER FLUSH	15 Min	Flush
Well Connection	Annulus Vol.	From	To 150	50/50 POL	HHP Used	Annulus Pressure		
Plug Depth	Packer Depth	From	To	FRUSH 13.3#/GAL 1.66 bbl ³	Gas Volume	Total Load		

Customer Representative: Rob Long
Station Manager: D. Auley
Treater: T. Sebra

Service Units	114	26	38	71				
---------------	-----	----	----	----	--	--	--	--

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00					Service Log JOB LOG #1
7:30					CALLER OUT UNLOC W/ TEL'S & SAFETY MITG. RUN 139 JT'S 4 1/2 10.5" CSG SUCROBIX ST'S 56-7-54-55-56-57 LENI CRJ'S -2-4-5-6-7-53 54-55-56-57 CMT BOLTS ON JT'S 6-53 FLOAT SHOE & L.O. BAPPE 1ST= 32.78 DV TOOL @ 52JT = 2894'
11:25					CSG ON BOTTOM & DROP BALL
11:40					Hook up TO CSG. & BREAK CIL W/ REG
12:19	250		20	6	START PERFLUSH HB
			3		20 bbls SALT PlusH
			12		3 bbls H ₂ O SPACER
			3		12 bbls MUD PlusH
			12		3 bbls H ₂ O SPACER
			3		12 bbls SUPER FLUSH
			12		3 bbls H ₂ O SPACER
12:35			24.18		START MIX CMT
			49.35		LEAD 75 SK A-SEW LITE 12.9#/GAL
			68.53		TAIL 150 SK 50/50 POL 13.3#/GAL
12:50					SITUT DOWN

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DEC 18 2002
CONSERVATION DIVISION
WICHITA, KS

TREATMENT REPORT



Customer ID	Date	
Customer	10-20-02	
Lease	Lease No.	Well #
F.G. Hall		1-33
Bowman	County	State
	EDWARDS	KS

Field Order #	Station	Casing	Depth	County	State
5430	Pratt	4 1/2	4614	EDWARDS	KS
Type Job	Formation	Legal Description			
2 STAGE 4 1/2 L.S. New well		SS-245-170			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	1st Stage	Acid	LEAD CMT	RATE	PRESS	ISIP
4 1/2				Pre Pack	A-SEA LITE	Max	20 Bbls SAIT	5 Min. Flush
Depth	Depth	From	To	Prod	12.9" / cwt 1. Bl / ft	Min	12 Bbls mud	10 Min. Flush
4614				Frac	TRAIL CMT	Avg	12 Bbls Super	15 Min. Flush
Volume	Volume	From	To		50/50 P-2	HHP Used		Annulus Pressure
				Flush	13.3" / cwt 1.66 ft	Gas Volume		Total Load
Max Press	Max Press	From	To					
Well Connection	Annulus Vol.	From	To					
Plug Depth	Packer Depth	From	To					

Customer Representative	Station Manager	Treater
Rob Long	D. AUBRY	T. SCIBA

Service Units	114	26	38	71
---------------	-----	----	----	----

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
			10		CLEAR PUMP & LINES
					LOAD PLUG
12:53	100			5	START DISP
	550		55	3	LIFT CMT
	1000		72.94	1	PLUG DOWN
13:07	1200				PSI up
					RELEASE - HOLD
13:12					LOAD: Deep OPEN TOOL RUN 11
13:20	1000				PSI up Release
13:30	1100				" " "
13:46	900				OPEN DV TOOL Good Circ
	200		13	4	Pump 13 bbls mud
13:50					SHUT DOWN hold up to P-4 Pump
16:14	200			5	START PUMPING PreFlushes
			20		20 Bbls SAIT Flush
			3		3 Bbls H ₂ O
			12		12 Bbls mud Flush
			3		3 Bbls H ₂ O
			12		12 Bbls SUPER Flush
			3		3 Bbl H ₂ O
16:24	300				START MIX'g Pump 2000s 50/50 P-2



PAID NOV - 6 2002
33717

SALES OFFICE:
105 S. Broadway
Suite #420
Wichita KS 67202
(316) 262-3699
(316) 262-5799 FAX

15-047-21472-0000
ORIGINAL

SALES & SERVICE OFFICE:
10244 NE Hiway 61
P.O. Box 8613
Pratt, KS 67124-8613
(316) 672-1201
(316) 672-5383 FAX

ACIDIZING - FRACTURING - CEMENTING

Invoice

Bill to:			3678275	Invoice	Invoice Date	Order	Order Date
F G HOLL P O BOX 158 BELPRE, KS 67519				210026	10/14/02	5324	10/9/02
Service Description							
Cement							
				Lease		Well	
				Bowman		1-33	
AFE	CustomerRep	Treater		Well Type	Purchase Order	Terms	
	G. Roach	D. Scott		New Well		Net 30	

10/31/02
11/6/02
405/1050

<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	225		
C310	CALCIUM CHLORIDE	LBS	582		
C195	CELLFLAKE	LB	49		
F143	WOODEN CEMENT PLUG, 8 5/8"	EA	1		
E107	CEMENT SERVICE CHARGE	SK	225		
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50		
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	484		
R200	CASING CEMENT PUMPER, 0-300'	EA	1		
R701	CEMENT HEAD RENTAL	EA	1		

EMILED 10/31/02

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DEC 18 2002

CONSERVATION DIVISION
WICHITA, KS

Discount

Tax Rate: 6.30%

(T) Taxable Item

RECEIVED

OCT 28 2002

RECEIVED
OCT 21 2002
BY: RL

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.

TREATMENT REPORT



Customer ID		Date	
Customer FG Holl		10-9-02	
Lease Bowman		Lease No.	Well # 1-33
Field Order # 3324	Station Pratt KS	Casing 8 5/8	Depth 317'
Type Job Surface New Well		County Edwards	State KS
		Formation TP = 319' 23 ppg	Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 225 skt 60/40 202	RATE	PRESS	ISIP	
Depth 304	Depth PBTD	From	To	Pre Pad 2% Gel 3% CE 2.5	Max 1000		5 Min.	
Volume 19.4	Volume	From	To	Pad 1.25 2+3 14.5 ppg	Min		10 Min.	
Max Press 1000	Max Press	From	To	Frac 30 Bbls SL	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	Flush fresh H₂O	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To		Gas Volume		Total Load	

Customer Representative Galen Roach	Station Manager Dave Autry	Treater D. Scott
Service Units 106	26	36
71		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2130					On loc 7 Trks Safety mtg
					Log on Bottom Break Circ w/Rig
0240	300		50	5	mix amt @ 14.5 ppg 225 skt
0254	0				Close In & Release Top wood Plug
0255	100			5	St Disp 4 H₂O
0259	300		19.4	0	Disp In & Close In w. H₂O
					Circ 3 Bbls Amt = 14 skt
					Good Amt In Celler

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*Job complete
Thank you Scotty*



Customer ID		Date	
Customer FG Holl		10-9-02	
Lease Bowman	Lease No.	Well # 1-33	
Field Order # 3329	Station Pratt KS	Casing 8 5/8	Depth 317'
Type Job Surface New Well		County Edwards	State KS
Formation TP = 319' 23 ppf		Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 225 ski 60/40 p02	RATE	PRESS 1000	ISIP	
Depth 304	Depth PBTD	From	To	Pre Pad 2% Gel 3% CC - 2.5% H₂O	Max		5 Min.	
Volume 19.4	Volume	From	To	Pad 1.25 lb 3. 14.5 ppg	Min		10 Min.	
Max Press 1000	Max Press	From	To	Frac 30 Bbls SL	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush fresh H₂O	Gas Volume		Total Load	

Customer Representative Galen Roach	Station Manager Dave Autry	Treater D. Scott
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Service Units	106	26	36	71				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2130					On loc Trks Safety mtg
					Log on Bottom Break Circ w/Rig
0240	300		50	3	mix Cmt @ 14.5 ppg 225 ski
0254	0				Chase In & Release Top wood Plug
0255	100			5	St Disp 4 H₂O
0259	300		19.4	0	Disp In + Chase In w. H₂O
					Circ 3 Bbls Cmt = 14 ski
					Good Cmt In Cellar

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Job Complete
Thank you Scotty