

**CONFIDENTIAL**

**AMENDED**  
KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

Operator: License # 9482  
 Name: National Petroleum Reserves, Inc.  
 Address: 250 N. Rock Rd. Suite 130  
 City/State/Zip: Wichita, KS 67206  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: T.C. Bredehoff, II  
 Phone: (316) 681-3515  
 Contractor: Name: Sterling Drilling Co.  
 License: 5142  
 Wellsite Geologist: Ken LeBlanc  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, etc)  
 If Workover/Re-entry: Old Well Info as follows: **JAN 22 2003**  
 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. \_\_\_\_\_  
 10/17/02    10/24/02    10-25-02  
 Spud Date or    Date Reached TD    Completion Date or  
 Recompletion Date       Recompletion Date

API No. 15 - 007-22720 0000  
 County: Barber  
~~SE~~ SE NW NE Sec. 31 Twp. 31 S. R. 12  East  West  
1170 feet from S / N (circle one) Line of Section  
1865 feet from E / W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Hall Well #: 3  
 Field Name: Maryhall  
 Producing Formation: Na  
 Elevation: Ground: 1532 Kelly Bushing: 1541  
 Total Depth: 4537 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 278 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** **ALT I EH 2-22-05**  
 (Data must be collected from the Reserve Pit)  
 Chloride content 6,000 ppm Fluid volume 160 bbls  
 Dewatering method used hauled to swd  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: Bemco Inc.  
 Lease Name: Cole License No.: 32613  
 Quarter NW Sec. 25 Twp. 32 S. R. 12 East  West  
 County: Barber Docket No.: 19886

**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: [Signature]  
 Title: President Date: 1/22/03  
 Subscribed and sworn to before me this 23<sup>rd</sup> day of January, 2003.  
 Notary Public: [Signature]  
 Date Commission Expires: 5-13-05

**SUSAN E. BREDEHOFF**  
 NOTARY PUBLIC  
 STATE OF KANSAS  
 My Appt. Exp. 5-13-05

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

ORIGINAL

Operator Name: National Petroleum Reserves, Inc. Lease Name: Hall Well #: 3  
 Sec. 31 Twp. 31 S. R. 12 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.

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)  
 List All E. Logs Run:  
 GR, DI, CNDL, PE

Log	Formation (Top), Depth and Datum	Sample
Name	Top	Datum
Topeka	3018	-1477
Heebner	3502	-1961
Lwr Douglas ss	3633	-2097
Mississippian Osage	4188	-2647
Viola	4436	-2895

CASING RECORD <input checked="" type="checkbox"/> 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"	20#	278'	pozmix	190	2%cc 3%gel

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

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	No

Date of First, Resumed Production, SWD or Enhr.	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  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION  Other (Specify) D&A

Production Interval  Open Hole  Perf.  Dually Comp.  Commingled

ORIGINAL

DST 1) 3636-3650 (Lower Douglas Sand)

[Slid tool 10-12 feet to bottom, plugging on first open ,flushed tool twice on 2nd open]

Times: 30-30-30-30

1st open: weak surging blow thru-out built to 11 inches, NO GAS TO SURFACE  
(NO BLOWACK)

2nd open: fair surging blow built to BOB in 14 minutes, NO GAS TO SURFACE  
(NO BLOWBACK)

REC: 200' Gas in Pipe  
120' Very Heavy Drilling Mud  
120' TOTAL FLUID

chlorides of mud system: 7,000 ppm  
chlorides of fluid recovery: Not Available

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JAN 22 2003

Alpine Recorder  
(electronic)

CONSERVATION DIVISION  
WICHITA, KS

IHYD: 1800 psi  
IFP: 76-81 psi  
IBHP: 1244 psi  
FFP: 73-108 psi  
FBHP: 1253 psi  
FHYD: 1752 psi

TEMP: 112 degrees F

Tester: Gene Budig, Superior Enterprises, Inc., Great Bend, Kansas

Note: conventional DST (dual packers, electronic recorders, safety joint)  
NO circulating sub, jars or bottom sampler

ORIGINAL

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DST 2) 3638 - 3652 (Lower Douglas Sand)  
Times: 30-30-90-60

JAN 22 2003

1st open: good blow OBOB in 30 seconds - NO GAS TO SURFACE

CONSERVATION DIVISION  
WICHITA, KS

<u>time</u>	<u>orifice</u> (Merla)	Inches of <u>Water</u>	<u>volume</u>
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2nd open: strong blow OBOB immediately, GTS/7"

10"	0.50 inch	10 in.	19.9 MCFG
20"	0.50 inch	28 in.	33.2 MCFG
30"	0.50 inch	38 in.	38.6 MCFG
40"	0.50 inch	60 in.	48.8 MCFG
50"	0.50 inch	60 in.	54.7 MCFG
60"	0.50 inch	94 in.	60.6 MCFG

PSI  
(LBS)

70"	0.50 inch	4 in.	68.8 MCFG
80"	0.50 inch	4.5 in.	73.6 MCFG
90"	0.50 inch	5 in.	78.1 MCFG

Rec: 350' Gas Cut Muddy Water  
350' Total Fluid

chlorides of mud system: 7000 PPM  
chlorides of formation water: 48000 PPM

Alpine  
(electronic recorders)

IHYD: 1739 psi  
IFP: 56-111 psi  
IBHP: 1181 psi  
FFP: 95-162 psi  
FBHP: 1222 psi  
FHYD: 1754 psi

TEMP: 115 degrees F

Tester: Gene Budig: Superior Testers Enterprises, Inc., Great Bend, Kansas

Note: conventional DST [dual packers, safety joint, electronic recorders]  
NO circulating sub, bottom sampler or jars

JAN 22 2003

DST 3) 4186 - 4243 (Miss. Chert)  
Times: 30-30-60-75

CONSERVATION DIVISION  
WICHITA, KS

1st open: packer failed then held, bled off blow, built to OBOB in 4 minutes  
NO GAS TO SURFACE

2nd open: fair blow built to OBOB in 2 minutes, NO GAS TO SURFACE

Rec: 60' Gas in Pipe  
150' Mud  
250' Gas Cut Muddy Water  
400' Gas Cut Slightly Muddy Water  
1750' Gassy Water  
2550' Total Fluid

[A GOOD SHOW OF FREE OIL ON THE LOWER BLANKED OFF  
RECORDER - NO SHOWS OF OIL IN FLUID RECOVERY]

chlorides of mud system: 4500 PPM  
chlorides of formation water: 111000 PPM

Alpine  
(electronic recorders)

IHYD: 2082 psi  
IFP: 246-730 psi  
IBHP: 1678 psi  
FFP: 746-1210 psi  
FBHP: 1639 psi  
FHYD: 2066 psi

TEMP: 121 degrees F

Tester: Gene Budig: Superior Testers Enterprises, Inc., Great Bend, Kansas

Note: conventional DST [dual packers, safety joint, electronic recorders]  
NO circulating sub, bottom sampler or jars



INVOICE NO.		Subject to Correction		<b>FIELD ORDER</b> 5428	
Date	10-17-02	Lease	Hall	Well #	3
Customer ID		County	Barber	State	Ks
NATIONAL Petroleum RESERVES		Depth		Formation	
		Casing	8 5/8	Casing Depth	278.36
		TD	280'	Shoe Joint	15' Co. Req.
		Customer Representative	LANNY SALOGA	Treater	T. SEBA
		Job Type	Surface NEW WELL		

CHARGE

AFE Number	PO Number	Materials Received by	X <i>Lanny Saloga</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-203	190 SKS	60/40 Pbz	✓			
C-310	492 lbs	CALCIUM CHLORIDE	✓			
C-195	41 lbs	CELLULOSE	✓			
F-143	1 EA	WOODEN PLUG 8 5/8	✓			
E-107	190 SKS	CEMENT SERV. CHARGE				
E-100	30 MI	UNITS /way MILES 30				
E-104	246	TONS MILES				
R-200	1 EA	EA. 278.36 PUMP CHARGE				
R-701	1 EA	CEMENT HEAD RENTAL				
DISCOUNTED PRICE + TAXES =				2,951.99		

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JAN 22 2003  
CONSERVATION DIVISION  
WICHITA, KS

As consideration, the Customer agrees:

a) To pay ACID SERVICES, LLC in accord with the rates and terms stated in ACID SERVICES, LLC's current price list. Invoices are payable NET 30 after date of invoice. Upon Customers' default 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 attorneys to enforce collection of said account, Customer agrees to pay all collection cost and attorney fees in the amount of the unpaid account.

b) To defend, indemnify, release and hold harmless ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorney's fees, and costs of defense to the extent permitted by law for:

1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury of death or property damage ( including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material. The amount of this invoice is due and payable at ACID SERVICES, LLC, Dept. No. 1131, Tulsa, Oklahoma 74182. All terms of the Service Order with customer are incorporated herein and made a part hereof by reference.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by ACID SERVICES, LLC's negligence, strict liability, or operated, or furnished by ACID SERVICES, LLC or any defect in the data, products, supplies, materials, or equipment of ACID SERVICES, LLC whether the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of ACID SERVICES, LLC. The term "ACID SERVICES, LLC" as used in said Sections b) and c) shall mean ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ACID SERVICES, LLC is unable to guarantee the effectiveness of the products, supplies, or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ACID SERVICES, LLC. ACID SERVICES, LLC personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that ACID SERVICES, LLC shall not be liable for and Customer shall indemnify ACID SERVICES, LLC against any damages from the use of such information.

d) That ACID SERVICES, LLC warrants only title to the products, supplies, and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Acid Services LLC's liability and Customer's exclusive remedy in and cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to ACID SERVICES, LLC or, at ACID SERVICES, LLC's option, to the allowance to the Customer of credit for the cost of such items. In no event shall ACID SERVICES, LLC be liable for special, incidental, indirect, punitive or consequential damages.

e) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law. We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to service furnished under this contract.

f) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

g) That ACID SERVICES, LLC shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized manager of ACID SERVICES, LLC.



# TREATMENT REPORT

Customer ID		Date	
Customer NATIONAL PET. RES.		10-17-02	
Lease Hall		Lease No.	Well # 3
Field Order # 5428	Station Pratt	Casing 8 7/8	Depth 278.26
Type Job SURFACE NEW WELL		County BARBER	State KS
Formation		Legal Description 31-315-12W	

ORIGINAL

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid 190 SKS 60/40 P2	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad 2% CEL 3% C.C.	Max		5 Min.	
Volume	Volume	From	To	Pad 1/4" CELLPLAKE	Min		10 Min.	
Max Press	Max Press	From	To	Flow 14.7 #/GAL 1.25 ft <sup>3</sup>	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative LANNY SALOCA	Station Manager D. AVERY	Treater T. SEBA
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Service Units	114	23	38	71				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30					CALLED OUT
8:00					ON LOC w/ TEL'S & SAFETY MTG.
					RUN 6 JT'S 8 7/8 23" CSG.
9:15					CSG ON BOTTOM
					Hook up to CSG.
9:20					BREAK CIRC w/ RTG
9:35	100		10	5	START PUMPING
			42.30		MIX & PUMP 190 SKS
9:44					SHUT DOWN
					RELEASE PLUG 8 7/8
9:45					START DESP
9:48	150		<del>16.8</del>		PLUG DOWN
9:49			17.17		CLOSE VALVE ON CSG
					GOOD CIRC THEN JOBS
					CIRC 20 SKS TO PIT
					JOBS COMPLETE

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JAN 22 2003  
CONSERVATION DIVISION  
WICHITA, KS

THANKS POOP





ORIGINAL

FIELD ORDER

5332

INVOICE NO.		Subject to Correction	
Date	Lease	Well #	Legal
10-25-02	Hall	3	31-31s-12w
Customer ID	County	State	Station
	Barber	KS	Pratt KS
National Pet Res.		Depth	Formation
		Shoe Joint	
		Casing	Casing Depth
		8 5/8	273
		TD	Job Type
		4337	PTA <del>Other</del> Newwell
		Customer Representative	Treater
		Lannie Saloga	D. Scott

CHARGE

AFE Number	PO Number	Materials Received by
		X <i>Lannie Saloga</i>

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D203	135 sk	60/40 per Common	✓			
C321	468 lb	Cmt Gel	✓			
E107	135 sk	Cmt Serv Chg				
E100	1 ca	UNITS / way MILES 30				
E104	176 tm	TONS / way MILES 30				
R400	1 ea	EA. PTA PUMP CHARGE				
Discounted Price =				1860.10		

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JAN 22 2003

CONSERVATION DIVISION  
WICHITA, KS

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

TOTAL

As consideration, the Customer agrees:

- a) To pay ACID SERVICES, LLC in accord with the rates and terms stated in ACID SERVICES, LLC's current price list. Invoices are payable NET 30 after date of invoice. Upon Customers' default 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 attorneys to enforce collection of said account, Customer agrees to pay all collection cost and attorney fees in the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorney's fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
  2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
  3. Personal injury of death or property damage ( including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material. The amount of this invoice is due and payable at ACID SERVICES, LLC, Dept. No. 1131, Tulsa, Oklahoma 74182. All terms of the Service Order with customer are incorporated herein and made a part hereof by reference.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by ACID SERVICES, LLC's negligence, strict liability, or operated, or furnished by ACID SERVICES, LLC or any defect in the data, products, supplies, materials, or equipment of ACID SERVICES, LLC whether the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of ACID SERVICES, LLC. The term "ACID SERVICES, LLC" as used in said Sections b) and c) shall mean ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ACID SERVICES, LLC is unable to guarantee the effectiveness of the products, supplies, or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ACID SERVICES, LLC. ACID SERVICES, LLC personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that ACID SERVICES, LLC shall not be liable for and Customer shall indemnify ACID SERVICES, LLC against any damages from the use of such information.
- d) That ACID SERVICES, LLC warrants only title to the products, supplies, and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Acid Services LLC's liability and Customer's exclusive remedy in and cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to ACID SERVICES, LLC or, at ACID SERVICES, LLC's option, to the allowance to the Customer of credit for the cost of such items. In no event shall ACID SERVICES, LLC be liable for special, incidental, indirect, punitive or consequential damages.
- e) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law. We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to service furnished under this contract.
- f) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- g) That ACID SERVICES, LLC shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized manager of ACID SERVICES, LLC.



# TREATMENT REPORT

Customer ID	Date
Customer <i>NPR</i>	<b>ORIGINAL</b> <i>10-25-02</i>
Lease <i>Hall</i>	Lease No. _____ Well # <i>3</i>

Field Order # <i>5332</i>	Station <i>Pratt KS</i>	Casing <i>8 7/8</i>	Depth <i>275</i>	County <i>Barber</i>	State <i>KS</i>
Type Job <i>PTA New Well</i>	Formation _____			Legal Description <i>31-31-12w</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
	<i>4 1/2</i>			<i>135 sk 60/40 por 69 Total 6el</i>		<i>1500</i>	
Depth	Depth	From	To	Pre Pad	Max		5 Min.
	<i>600</i>			<i>1.57 ft<sup>3</sup> 13.7 ppw</i>			
Volume	Volume	From	To	Pad	Min		10 Min.
	<i>3</i>			<i>37.7 Bbls</i>			
Max Press	Max Press	From	To	Frac	Avg		15 Min.
	<i>1300</i>						
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative <i>Lannie Saloga</i>	Station Manager <i>Dave Auliy</i>	Treater <i>D. Scott</i>
Service Units	<i>108</i>	<i>26</i>
	<i>36</i>	<i>75</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0800</i>					<i>On loc w/Trki Safety met</i>
					<i>D.P. 2600' 50ski</i>
<i>1010</i>		<i>300</i>	<i>13</i>	<i>5</i>	<i>H2O spacer</i>
<i>1013</i>		<i>300</i>	<i>14</i>	<i>5</i>	<i>Mix amt 213.7ppw 50ski</i>
<i>1016</i>		<i>100</i>	<i>5</i>	<i>5</i>	<i>Balancer Disp Cmt</i>
<i>1045</i>		<i>200</i>	<i>13</i>	<i>5</i>	<i>H2O Spacer</i>
<i>1048</i>		<i>200</i>	<i>14</i>	<i>5</i>	<i>Mix amt 213.7ppw 50ski</i>
<i>1051</i>		<i>100</i>	<i>2</i>	<i>5</i>	<i>Balancer Disp Cmt</i>
<i>1100</i>			<i>2.8</i>	<i>2</i>	<i>10ski 2 40'</i>
<i>1115</i>			<i>4.2</i>	<i>2</i>	<i>Plug Rat hole w/15ski</i>
<i>1120</i>			<i>2.8</i>	<i>2</i>	<i>Plug Mouse hole w/10ski</i>
					<i>135 ski 60/40 por 69 Total 6el</i>
					<i>Job Complete</i>
					<i>Thank you Scotty</i>

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KANSAS CORPORATION COMMISSION  
JAN 22 2003  
CONSERVATION DIVISION  
WICHITA, KS