

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 9482  
Name: National Petroleum Reserves, Inc.  
Address: 250 N. Rock Rd. #130  
City/State/Zip: Wichita, KS 67206  
Purchaser: Plains  
Operator Contact Person: T.C. Bredehoft  
Phone: (316) 681-3515  
Contractor: Name: Sterling Drilling  
License: \_\_\_\_\_  
Wellsite Geologist: Terry McLeod

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. \_\_\_\_\_  
6-24-04    7-03-04    8-21-04  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 007-22830-00-00  
County: Barber  
W2 SE SE Sec. 21 Twp. 33 S. R. 11  East  West  
710 feet from S / N (circle one) Line of Section  
990 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Forester Well #: 2  
Field Name: Rhodes  
Producing Formation: Mississippian Osage  
Elevation: Ground: 1423' Kelly Bushing: 1432'  
Total Depth: 4,700 Plug Back Total Depth: 4645  
Amount of Surface Pipe Set and Cemented at 266' 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 W H A  
(Data must be collected from the Reserve Pit) 6-20-07  
Chloride content 13,000 ppm Fluid volume 400 bbls  
Dewatering method used Hauled to SWDW  
Location of fluid disposal if hauled offsite:  
Operator Name: Bemco  
Lease Name: Mac SWD License No.: 32613  
Quarter NW Sec. 7 Twp. 32 S. R. 11  East  West  
County: Barber Docket No.: CD 78217

**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: T.C. Bredehoft  
Title: Vice-President Date: 12/23/04  
Subscribed and sworn to before me this 23 day of December  
2004  
Notary Public: Susan E. Bredehoft  
Date Commission Expires: 5-13-05

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

**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: National Petroleum Reserves Lease Name: Forester Well #: 2  
 Sec. 21 Twp. 33 S. R. 11  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: CDNL w/PE  
DIL  
Bond Log

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Topeka	3102	-1670
Heebner	3615	-2183
Lansing	3802	-2370
Marmaton	4366	-2934
Miss	4492	-3060

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	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	266'	60/40 poz	215	2%gel 3%cc
Production	7 7/8"	4 1/2"	10.5#	4699'	AA-2	125	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 (Amount and Kind of Material Used)		Depth
	2	4565-4569	4545-4552	1000 gal 15% MCA	
2	4545-4552		Profrac 40,000 #s Mesh and ottowa Sand		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4601'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
8/21/04	<input checked="" type="checkbox"/> Flowing <input checked="" 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
	25	Tstm	10		28

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

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

Production Interval

BARBER COUNTY  
 OKLAHOMA STATE  
 OCT 10 1904

FORESTER #2  
SE/4 21, 33s-11w  
Barber County, KS

DRILL STEM TESTS

DST #1 4488'-4544' (30-45-30-45) weak blow, died.  
Rec: 130' mud  
FP's: 80-114 121-133  
SIP's: 153-157  
HP's: 2309-2255 117 degrees

DST #2 4577'-4621' (30-45-60-90) strong blow both opens.  
Rec: 1900' GIP 285' OGCMW 10% oil, 180' slogcmw 1% oil  
FP's 89-135, 149-228  
SIP's 1589-1785  
HP's: 2365-2345 120 degrees

DST #3 4535-4575 Straddle Test (30-30-45-60) GTS 3 min 500 mcf decrease to 2 mcf  
Rec: 900' cl oil 240' HOCM 38% oil  
FP's: 505-271, 286-292  
SIP's: 318-310  
HP's: n/a 120 degrees

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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 payable NET 30 after date of invoice. Upon Customer's 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 or 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>National Petroleum Reserves</i>		<i>7-3-04</i>	
Lease <i>Forrester</i>		Lease No.	Well # <i>2</i>
Job # <i>504</i>	Station <i>Pratt</i>	Casing <i>4 1/2</i>	Depth <i>4699.83</i>
Well # <i>4 1/2 L.S. New Well</i>		County <i>Barber</i>	State <i>Ks.</i>
Formation		Legal Description <i>21-335-11W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>4 1/2</i>	Tubing Size	Shots/Ft	<i>Cont.</i>	Acid <i>125 gals. AA 2</i>		RATE	PRESS	ISIP
Depth <i>4699.83</i>	Depth	From	To	Pre Pad <i>15.0#/gal 1.44ft<sup>3</sup></i>	Max			5 Min.
Volume <i>74.7</i>	Volume	From	To	Pad <i>5% Gel Set, 8% FLA-322,</i>	Min			10 Min.
Max Press <i>2000</i>	Max Press	From	To	Frac <i>10% Salt, 75% Gelsol</i>	Avg			15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	<i>5th Gilsomite</i>	HHP Used			Annulus Pressure
Plug Depth <i>4686.53</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative <i>Alan Walker</i>	Station Manager <i>Dave Auntry</i>	Treater <i>Bobby Drake</i>
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Service Units		<i>119</i>	<i>27</i>	<i>47</i>	<i>72</i>	Service Log
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate		
<i>1930</i>						<i>On Location - Safety Meeting</i>
<i>2232</i>						<i>Run Csg. - A.F.F.S. Bottom - L.O.B.P. - Top of 1st</i>
						<i>Cont. on 2, 3, 4, 5, 6, + 7</i>
<i>2440</i>						<i>Csg. on Bottom</i>
<i>2449</i>						<i>Hook up to Csg. - Break Circ. w/ Rig</i>
<i>1:02</i>	<i>300</i>		<i>5</i>	<i>4.5</i>		<i>H2O Ahead</i>
<i>1:03</i>	<i>300</i>		<i>12</i>	<i>4.5</i>		<i>Mud Flush</i>
<i>1:06</i>	<i>300</i>		<i>5</i>	<i>4.5</i>		<i>H2O Spacer</i>
<i>1:07</i>	<i>250</i>		<i>40</i>	<i>4.5</i>		<i>Mix Cont. @ 15.0#/gal.</i>
<i>1:17</i>						<i>Clear Pump + Lines - Release Plug</i>
<i>1:20</i>	<i>100</i>			<i>5.8</i>		<i>Start Disp.</i>
<i>1:28</i>	<i>300</i>		<i>52</i>	<i>5.6</i>		<i>Lift Pressure</i>
<i>1:32</i>	<i>1500</i>		<i>74</i>			<i>Plug Down</i>
						<i>Circulation Turn Job</i>
						<i>Job Complete</i>
						<i>Thanks, Bobby</i>

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



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>National Pet. Reserves</i>		<i>6-24-04</i>	
Lease <i>Forester</i>		Lease No.	Well # <i>2</i>

Field Order # <i>5199</i>	Station <i>Pratt</i>	Casing <i>8 5/8</i>	Depth <i>265.96</i>	County <i>Barber</i>	State <i>Ks.</i>
Type Job <i>8 5/8 S.P. New Well</i>			Formation	Legal Description <i>21-335-11W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft	<i>Cont. -</i>	Acid <i>215 SK. 120/40 POZ</i>		RATE	PRESS	ISIP
Depth <i>265.96</i>	Depth	From	To	Pre Pad <i>14.7 #/gal 1.25 FT<sup>3</sup></i>	Max			5 Min.
Volume <i>17</i>	Volume	From	To	Pad <i>20% bed, 30% C.C.,</i>	Min			10 Min.
Max Press <i>500</i>	Max Press	From	To	Frac <i>1/4" Cellflake</i>	Avg			15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>245.96</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative <i>Lanny Saloga</i>	Station Manager <i>Dave Antry</i>	Treater <i>Bobby Drake</i>
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Service Units					
	<i>119</i>	<i>80</i>	<i>57</i>	<i>47</i>	<i>72</i>
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:30</i>					<i>On location - Safety Meeting</i>
<i>12:45</i>					<i>Run Csg. - Cjts. 8 5/8 23#</i>
<i>1325</i>					<i>Csg. on bottom</i>
<i>1332</i>					<i>shook up to Csg. - Break Circ. w/ Rig</i>
<i>1340</i>	<i>100</i>		<i>10</i>	<i>4.5</i>	<i>H<sub>2</sub>O Ahead</i>
<i>1342</i>	<i>100</i>		<i>50</i>	<i>4.5</i>	<i>104# Cont. @ 14.7 #/gal.</i>
<i>1354</i>					<i>Release Plug</i>
<i>1355</i>	<i>100</i>			<i>4.0</i>	<i>Start Disp.</i>
<i>1400</i>	<i>100</i>		<i>16</i>		<i>Plug Down</i>
					<i>Circulated Cont. To Pit</i>
					<i>Job Complete</i>
					<i>Thanks, Bobby</i>

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