

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 # 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  
License: 6142 S142  
Wellsite Geologist: Ken LeBlanc

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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. \_\_\_\_\_

July 18, 2003	July 26, 2003	11/24/03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-227570000  
County: Barber App. 100' N & 100' E of  
F/2 NW-SE Sec. 31 Twp. 31 S. R. 12  East  West  
2080 feet from (S) / N (circle one) Line of Section  
1560 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: BEDWELL Well #: 1  
Field Name: Maryhall  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 1498 Kelly Bushing: 1507  
Total Depth: 4450 Plug Back Total Depth: 4416  
Amount of Surface Pipe Set and Cemented at 268.45 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 11/18/03 1-5-04  
(Data must be collected from the Reserve Pit)  
Chloride content 7,000 ppm Fluid volume 320 bbls  
Dewatering method used hauled to SWD  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: Bemco  
Lease Name: Cole License No.: 32613  
Quarter \_\_\_\_\_ Sec. 25 Twp. 32 S. R. 12  East  West  
County: Barber Docket No.: D-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: T.C. Bredehoff, II  
Title: Vice-President Date: 12/18/2003

Subscribed and sworn to before me this 18 day of December,  
20 03.

Notary Public: Susan E Bredehoff  
Date Commission Expires: \_\_\_\_\_

**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

15-007-22757-0000 <sup>Side Two</sup>

Operator Name: National Petroleum Reserves, Inc. Lease Name: BEDWELL Well #: 1  
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:

CNDL, DIL, Sonic, Micro

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Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Heebner	3488	-1981
Lansing	3656	-2149
Stark	4005	-2498
Marmaton	4116	-2609
Miss Chert	4166	-2659
Viola	4403	-2898

CASING RECORD  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#	268.45	60/40 poz	180	2% gel 3% c.c.
Production	7 7/8"	4 1/2"	10.5#	4,449	AA2	225	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	3326-3333			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	4156-4159			

PERFORATION RECORD - Bridge Plugs Set/Type  
Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record  
(Amount and Kind of Material Used)

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	3326-3333	250 gal. 7.5% MCA	
4	4156-4159	1000 gal 15% DSFE	

TUBING RECORD Size Set At Packer At Liner Run  Yes  No

Date of First, Resumerd 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 METHOD OF COMPLETION Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
(If vented, Submit ACO-18.)  Other (Specify) D & A

15-007-22757-0000

ORIGINAL



INVOICE NO.		Subject to Correction		<b>FIELD ORDER</b> 6842	
Date	7-18-03	Lease	BEOWELL	Well #	1
Customer ID		County	Barber	State	Ks
N.P.R. NATIONAL PETROLEUM RES		Depth	20 1/2 FT	Formation	
		Casing	8 5/8	Casing Depth	268
		TD	275'	Job Type	15 CUSTOMER REQ NEW SURFACE WELL
Customer Representative			Treater		
LANNY SALOGA			T. SEBA		

CHARGE

A/E 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	180 SKS	6040 P02	✓			
C-310	459 lbs	CALCIUM CHLORIDE	✓			
C-194	39 lbs	CELLFLAKE	✓			
F-163	1 EA	WOODEN PLUG 8 5/8	✓			
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E-107	180 SKS	CEMENT SERV. CHARGE	✓			
E-100	35 MS	UNITS 1WAY MILES 35				
E-104	268 TM	TONS MILES				
R-200	1 EA	EA. 268' PUMP CHARGE				
R-701	1 EA	CEMENT HEAD RENTAL				
DISCOUNTED PRICE =					2,702.33	
+ TAXES						

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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 in 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.

15-007-22757-00 TREATMENT REPORT



Field Order # 6842	Station PRATT	Casing 8 5/8	Depth 268'	County BARBER	State KS
Type Job 8 5/8 Surface NEW WELL	Formation TD: 275'	Legal Description 31-31S-12W			

Customer ID	Date 7-18-03	
Customer N.P.R.		
Lease BEOWELL	Lease No.	Well # 1

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		180 SKS 60/45 Pz		RATE	PRESS	ISIP
Depth 268.45	Depth	From	To	Pre Pad 2 1/2 Gal 3 1/2 C.C. 1/4" CELLULOSE	Max			5 Min.
Volume	Volume	From	To	Pad 17.7 #/GAL 1.25 FT <sup>3</sup>	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 253.45	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative LANNY	Station Manager D. AURIY	Treater T. SEBA
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Service Units	114	26	36	70				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
16:30					CALLED OUT
					RECEIVED ON LOC W/TKK'S! SAFETY MTG
					RUN 60T'S 8 5/8 20" CSG.
18:30					START CSG.
					CSG. ON BOTTOM
					Hook up TO CSG.
19:43					BREAK CIRC W/ RIG
19:50	150		10	5	START PUMPING H <sub>2</sub> O
					STARTS MIX: Pump 180 SKS
20:06			40.07		SHUT DOWN & RELEASE PLUG 8 5/8 WOODEN
20:08	125			5	START DISP
			16 1/2		PLUG DOWN
20:12	200				CLOSE VALVE ON CSG.
					GOOD CIRC THEN JO3
					CIRC CUT TO PIT ✓
					15 SKS TO PIT
20:30					JO3 Comb 1875
					THANKS
					TODD

ORIGINAL

15-007-22757-0000



INVOICE NO.		Subject to Correction		<b>FIELD ORDER</b> 6885	
Date	7-27-03	Lease	BEDWELL	Well #	1
Customer ID		County	BARBER	State	KS
		Depth		Formation	
					Shoe Joint 21'
		Casing	4 1/2	Casing Depth	4448
				TD	4450
				Job Type	LOW STRENGTH M
		Customer Representative	C. Schmidt	Treater	K. GORDLEY

CHARGE

AFE Number	PO Number	Materials Received by	X <i>C. Schmidt</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D205	100SK	AAA-2 CEMENT	✓			
D201	150SK	A-CON CEMENT	✓			
C195	146lb	FLA-322	✓			
C221	519lb	SALT	✓			
C243	59lb	DEFORMER	✓			
C321	1250lb	GROUSONITE	✓			
C310	282lb	CALCIUM HYDROXIDE	✓			
C312	71lb	GAS BLOC	✓			
C302	500ga	MUDPUSH	✓			
F100	10 EA.	4 1/2 TURBOLIDER	✓			
F120	2 EA	4 1/2 BASKET	✓			
F170	1 EA.	4 1/2 LATCH DOWN PUL & BASKET	✓			
F210	1 EA.	4 1/2 IAFU FLOAT SHOE	✓			
C141	5 gal	CC-1	✓			
E107	250SK	CEMENT SERV. CHARGE				
E100	35mile	UNITS	MILES			
E104	4117M	TONS	MILES			
R209	1EA.	EA.	PUMP CHARGE			
R201	1EA.	CEMENT HEAVY RENTAL				
R202	1EA.	CRABING SWIVEL				
		PRICE		8434.97		
				<del>8284.97</del>		

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ORIGINAL

TREATMENT REPORT



Customer ID	Date	
Customer	7-27-03	
Lease	Lease No.	Well #
NPR		1
BEDWELL		

Field Order #	Station	Casing	Depth	County	State
6885	Pratt, Ks.	4 1/2		BARBER	KS
Type Job	Formation	Legal Description			
LOW STRENGTH - NW	TD-4450	31-31-12			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
4 1/2								5 Min.
Depth	Depth	From	To	Pre Pad		Max		
4448								10 Min.
Volume	Volume	From	To	Pad		Min		
								15 Min.
Max Press	Max Press	From	To	Frac		Avg		
								Annulus Pressure
Well Connection	Annulus Vol.	From	To			HHP Used		
								Total Load
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		
4427								

Customer Representative	Station Manager	Treater
C. Schmidt	ACOTPA	J. COPLEY

Service Units	107	27	30	76
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1200					ON LOCATION
1245					RUN 4448' - 4 1/2 CASING.
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					RUN API FROM SHOES LATCH
					DOWN Baffle ON 15' COLLAR.
					CEMT. - 1-5-6-7-8-24-25-26-27
					BASKET - 6-26
1450					TRAC BOTTOM - DROP BALL - BREAK CEMENT
					ROTATE CASING
1520	200		12	6	PUMP 12 bbl MUDFOCUSIT
	200		5	6	PUMP 5 bbl H <sub>2</sub> O SPACER
	2800		17-	13.2 PPg	MIX CEMENT - 125 SL A-CON -
	2900		33-	12.0 PPg	2% C.E., 5#/SL GILSONITE, 1/2% FLA 322
	100		25-	15.0 PPg	100 SL. AAZ - 10% SALT, 5#/SL
			75		GILSONITE, 8/10% FLA-322, 3/4% GAS BLOCK
					STOP - WASH LINE - DROP PLUG
	0		0	7	START DISP HCL H <sub>2</sub> O
	300		40	7	LEFT CEMENT
	700		65	4	SLOW RATE
1550	1200		70.3	4	PULL DOWN - RELEASE HCL
					PULL RT & WAIT
1630					JOB COMPLETE - TRAVEL - KERR

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