

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

RECEIVED
JUN 28 2002

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

WICHITA ORIGINAL

Operator: License # 9482
Name: National Petroleum Reserves, Inc.
Address: 250 N. Rock Rd.
City/State/Zip: Wichita, KS 67206
Purchaser: Undetermined
Operator Contact Person: T.C. Bredehoff
Phone: (316) 681-3515
Contractor: Name: Sterling Drilling
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:
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. _____

3-25-02 4-01-02 4-19-02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-007-22701-00-00
County: Barber
ap NE NE NE Sec. 31 Twp. 31 S. R. 12 East West
360 feet from S / (circle one) Line of Section
370 feet from (circle one) E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Raleigh Well #: 1

Field Name: Maryhall
Producing Formation: Tarkio Sandstone

Elevation: Ground: 1557 Kelly Bushing: 1568
Total Depth: 4693 Plug Back Total Depth: 4285

Amount of Surface Pipe Set and Cemented at 306' 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 Per E.H. 7-23-02
(Data must be collected from the Reserve Pit)

Chloride content 5,000 ppm Fluid volume 460 bbls
Dewatering method used Hauled to Mac SWD

Location of fluid disposal if hauled offsite: _____

Operator Name: Bemco Inc.

Lease Name: Mac License No.: 32613

Quarter NW Sec. 7 Twp. 32 S. R. 11 East West
County: Barber Docket No.: CD78217

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: 5-2-02

Subscribed and sworn to before me this 2nd day of May,
2002

Notary Public: Susan E. Bredehoff

Date Commission Expires: _____

SUSAN E. BREDEHOFF
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 5-19-05

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

RECEIVED
 ORIGINAL JUN 28 2002
 KCC WICHITA

Operator Name: National Petroleum Reserves, Inc. Lease Name: Raleigh 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes	No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	No	Name	Top	Datum
Cores Taken	Yes	<input checked="" type="checkbox"/> No	Indian Cave	2629	-1061
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes	No	Tarkio Sand	2808	-1240
List All E. Logs Run:			Heebner	3519	-1951
DI, Cal, CDN, PE			Lansing	3711	-2143
			Mississippian	4213	-2645
			Viola	4461	-2893
			Simpson Sh.	4541	-2973

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#	306'	60/40 pox	220	2% gel 3% cc
Production	7 7/8"	4 1/2"	10.5#	4,327'	AA-2	225	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
8	2809-2812	250 gal 7.5 % MCA acid with 40% methano	2812

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2789'	NA	Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr. Waiting on pipeline con.	Producing Method <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. <u>NA</u> Gas Mcf <u>AOF 420 mcfg</u> Water Bbls. <u>trace</u> Gas-Oil Ratio <u></u> Gravity <u></u>

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

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

Production Interval Dually Comp. Commingled _____

ORIGINAL

National Petroleum Reserves, Inc.

Drill Stem Tests

#1 Raleigh

NE NE NE Sec. 31, 31s-12w

Barber County, KS

RECEIVED

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KCC WICHITA

DST #1 3925-3940 K.C. Drum 30-30-30-30

1st open weak to 11 inches, 2nd open weak to 6 inches

Rec: 375' Muddy Water

F.P.'s: 41-159 & 166-209

S.I.P.'s: 1507 - 1506

DST #2 Straddle Test 4536-4561 Simpson Sand 30-30-60-60

1st open weak to 7 inches, 2nd open weak to 10 inches

Rec: 360' Muddy Water

F.P.'s: 41-142 & 147-199

S.I.P.'s: 1672.- 1684

DST #3 Hook-Wall Test 2801-2837 Tarkio Sand 30-30-90-90

1st open weak to 10 inches, 2nd open good off btm. in 1 minute, GTS in 55 min.

Rec: 400' gas cut heavy drilling mud.

Max gauge 15 MCFGPD after 90 min.

F.P.'s: 220-194 & 194 - 173

S.I.P.'s 856 - 1194

ORIGINAL



INVOICE NO.
Date 4-2-02
Customer ID

Subject to Correction

FIELD ORDER

4566

CHARGE	Lease	Raleigh	Well #	1	Legal	31-31s-12w
	County	Barber	State	KS	Station	Pratt KS
	Depth		Formation	Tot pipe = 4316	Shoe Joint	38'
	Casing	4 1/2 10.5 spool	Casing Depth	TD 4693	Job Type	Long String New Well
	Customer Representative	Chuck Schmidt	Treater	D. Scott		

AFE Number	PO Number	Materials Received by	<i>[Signature]</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D205	225 sks	AA-2 Common				
D203	25 sks	60140 por Common				
C223	1155 lbs	Salt Fine				
C243	22 lbs	Defoamer				
C313	159 lbs	Gas Blok				
C322	1125 lbs	Gilsonite				
F100	13 ea	Centralizers 4 1/2"				
F150	1 ea	L.D. Plug + Baffle "				
F840	1 ea	Cmt Basket Shoe "				
F110	3 ea	Cmt Baskets "				
F111	1 ea	Two Stage Collar "				
C302	1000 gal	mud Plus h				
E109	250 sks	Cmt Serv Chrg				
E100	1 ea	UNITS / way MILES 30				
E104	360 tons	TONS / way MILES 30				
R209	1 ea	RR 9001-1000 PUMP CHARGE				
R701	1 ea	Part Head Rental				
		Discourssed price =	11,291.94			

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

ORIGINAL

TREATMENT REPORT



Customer ID		Date	
Customer UPR		4-2-02	
Lease Raleigh		Lease No.	Well # 1
Field Order 4566	Station Pratt KS	Casing 4 1/2	Depth 4316
Type Job long string New Well		County Barber	State KS
		Formation	Legal Description 31-313-12W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 4 1/2	Tubing Size	Shots/Ft 1st Stage	Acid 100 ski AA-2	RATE	PRESS 2300	ISIP	
Depth 4278	Depth PBTD	From	To 5%	Max FLA-322 .75 Gas	Min	5 Min.	
Volume 68	Volume	From	To 5ppsk	Min	10 Min.		
Max Press 2300	Max Press	From 2nd Stage	To 12.5 sk Same Additives	Avg	15 Min.		
Well Connection	Annulus Vol.	From	To 1.44 15.0 ppg	HHP Used	Annulus Pressure		
Plug Depth	Packer Depth	From Stage	To 2891A	Gas Volume	Total Load		

Customer Representative Chuck Schmidt	Station Manager D. Autry	Treater D. Scott
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Service Units	106	23	36	70	Bottom Stage
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Page Log / Service Log
1900					On loc 7 Triki Safety mtg PKR shoe on bottom SJ Baffle Top Centralizer 1-2-4-6-32-34-35-36-37 Cmt Basket's 2-33-38 39-39-40-4
					Stage Tool on top 33 JT 2916 ft Break Circ w/ Rig
				1100 psi	Drop Ball & Set shoe w/ Rig Pump
2408	325		10	5	H2O Spacer Bottom Stage
2411	300		12	5	mad Flush
2413	300		10	5	H2O Spacer
2416	400		25.6	6	mix Cmt 100 ski @ 15.0 ppg
2424			10	5	Chase In & Wash Pump & line head & Release h.o. Plug
2426	100		21.6	7.5	St Disp w/ H2O
2429	200		46.3	7.0	St mud Disp
2437	1500		68		plug Down & set Test Log Release psi initial test 4500 psi
					Drop opening tool
2452	900				Open Stage Tool Circ w/ Rig to 2 hrs Good Circ During Tool

10214 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.

ORIGINAL

TREATMENT REPORT



Customer ID	Date	
Customer N.P.R. INC.	03-25-02	
Lease RALEIGH	Lease No.	Well # 1

Field Order # 4635	Station PRATT	Casing 3 5/8	Depth 306	County BARBER	State KS
Type Job SURFACE	NEW WELL			Formation	Legal Description 31-31S-12W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 3 5/8	Tubing Size	Shots/Ft		Acid 220 SKS		RATE	PRESS	ISIP
Depth 306	Depth	From	To	Pre Pad W40 P02		Max		5 Min.
Volume	Volume	From	To	Pad 396 CC. 1/4" CELL		Min		10 Min.
Max Press	Max Press	From	To	Frac 14.7H/EAL		Avg		15 Min.
Well Connection	Annulus Vol.	From	To	1.25 ft ³		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative LANNY SALOGA	Station Manager D. ATRY	Treater T. SEBA
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Service Units	103	26	38	72
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					CALLED OUT
10:30					ON LOC w/ TRK'S SAFETY MTG
					RUN 7 JTS NEW 23" 3 5/8 CSG
13:00					START CSG.
13:45					CSG. ON BOTTOM
13:50					Hook up TO CSG. & BREAK CIRC w/ RIG
14:00	100		10	5	START PUMPING
					START MIX CMT
					FINISHED MIX
14:13			48.9		SHUT DOWN
					RELEASE 3 5/8 WOODEN PLUG
14:15	100				START DISP
14:19	150		13.6		PLUG DOWN
14:20	100				CLOSE VALVE ON CSG.
					GOOD CIRC THRU JOB ✓
					CIRC CMT TO PIT
					JOB COMPLETE
					THANKS

T800