

31-31-12W
Form ACO-1
September 1999
Form Must Be Typed
gpa

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

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. Bredehoft
 Phone: (316) 681-3515
 Contractor: Name: Sterling Drilling
 License: 5142
 Wellsite Geologist: Ken LeBlanc

API No. 15 - 15-007-22701-00-00

COPY

County: Barber
 ap. NE. NE. NE Sec. 31 Twp. 31 S. R. 12 East West
360 feet from S / N (circle one) Line of Section
370 feet from 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

(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: S.C. Bredehoft, II

Title: Vice-President Date: 5-2-02

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

Notary Public: Susan E. Bredehoft

Date Commission Expires:

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

KCC Office Use ONLY	
<input checked="" type="checkbox"/> <input type="checkbox"/> Letter of Confidentiality Attached	
If Denied, Yes <input type="checkbox"/> Date: _____	
<input checked="" type="checkbox"/> <input type="checkbox"/> Wireline Log Received	
<input checked="" type="checkbox"/> <input type="checkbox"/> Geologist Report Received	
<input type="checkbox"/> <input type="checkbox"/> UIC Distribution	

Operator Name: National Petroleum Reserves, Inc. Lease Name: Raleigh

Sec. 31 Twp. 31 S. R. 12

East West

County: Barber

COPY

Well # 1

28 2002

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 (Attach Additional Sheets)	<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 (Submit Copy)	<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							
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: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	Yes	<input checked="" type="checkbox"/> No
	2 3/8"	2789'	NA			

Date of First, Resumed Production, SWD or Enhr. Waiting on pipeline con.	Producing Method	<input checked="" type="checkbox"/> 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
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Sumit ACO-18.)	Open Hole <input checked="" type="checkbox"/> Perf. Dually Comp. <input type="checkbox"/> Commingled	<input type="checkbox"/> Other (Specify)

ORIGINAL

National Petroleum Reserves, Inc.

Drill Stem Tests

#1 Raleigh

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

Barber County, KS

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