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JAN 26 2002

KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

COPY Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 9482

Name: National Petroleum Reserves, Inc.

Address: 250 N. Rock Rd. Ste. 130

City/State/Zip: Wichita, KS 67206

Purchaser: S.T.G.

Operator Contact Person: T.C. Bredehoff

Phone: (316) 681-3515

Contractor: Name: Sterling Drilling #4

License:

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.12/18/01 1/4/02 1/17/02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 007-226940000

County: BARBER

NE/4 Sec. 31 Twp. 31 S. R. 12 ☐ East ☒ West

1530 feet from S / (N) (circle one) Line of Section

1430 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 #: 2

Field Name: Wildcat

Producing Formation: Simpson Sand

Elevation: Ground: 1528 Kelly Bushing: 1537

Total Depth: 4509.5 Plug Back Total Depth: -

Amount of Surface Pipe Set and Cemented at 337' 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 3,000 ppm Fluid volume 320 bbls

Dewatering method used hauled to SWD

Location of fluid disposal if hauled offsite:

Operator Name: Bemco

Lease Name: Mac License No.: 5435

Quarter 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: *Susan E. Bredehoff*

Title: President Date: 1/25/02

Subscribed and sworn to before me this 25th day of January

19 2002

Notary Public: *Susan E. Bredehoff*

Date Commission Expires: 5-13-05

KCC Office Use ONLY

☐ Letter of Confidentiality AttachedIf Denied, Yes ☐ Date:☐ Wireline Log Received☐ Geologist Report Received☐ UIC Distribution

KCC

JAN 25 2002

CONFIDENTIAL

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

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Side Two

Operator Name: National Petroleum Reserves, Inc. Lease Name: Hall
 Sec. 31 Twp. 31 S. R. 12 ☐ East ☒ West County: Barber

FROM CONFIDENTIAL

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/PE/GR/DI

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☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Kanwaka Sh	3344	-1807
Heebner Sh	3494	-1957
Lansing	3684	-2147
Miss Chert	4194	-2657
Viola	4420	-2883
T.D.	4,509'	

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"	23#	337'	60/40poz	230	3%cc 2% gel
Production	7 7/8"	4 1/2"	10.5#	4,509'	AA-2	150	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
na	open-hole 4505 to 4509.5	none	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4508'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method			
1/18/02	<input 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
	50	tst m	0	40°

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☒ Used on Lease
 (If vented, Sumit ACO-18.)

☒ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other: (Specify) _____

FROM CONFIDENTIAL

DST 1) 3628-3640 (Lower Douglas Sand)

Times: 30-30-45-60

1st open: fair blow building to BOB in $2\frac{1}{2}$ minutes, NO GAS TO SURFACE
(NO BLOWBACK)

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

Rec: NO GAS IN PIPE

RECEIVED 120' Mud with a few spots of oil
120' Total Fluid

JAN 26 2009

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Alpine (---RECORDERS
(electronic)

IHYD: 1805	psi
IFP: 43-53	psi
IBHP: 791	psi
FFP: 62-79	psi
FBHP: 900	psi
FHYD: 1789	psi

TEMP: 109 degrees F

Tester: Gene Budig, Superior Testing Company, Great Bend, Kansas

Note: conventional DST (dual packers, jars, safety joint, electronic recorders)
NO bottom sampler or circulating sub
Mechanical Chart run-NOT Interpreted

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DST 2) 4484-4509 (Simpson Sand)

Times: 30-30-30-60

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1st open: fair blow building to BOB in 3½ minutes, NO GAS TO SURFACE
(NO BLOWBACK)

2nd open: good blow building to BOB in 30 seconds, Gas to Surface 8 minutes
(BLOWBACK ??)

	<u>time</u>	<u>orifice</u> (Merla)	<u>Inches of</u> <u>Water</u>	<u>volume</u>
2nd open:	10"	1/4 inch	05 in.	3.710 M.FG
	20"	1/4 inch	28 in.	8.890 M.FG
	30"	1/4 inch	30 in.	9.200 M.FG

** - Did NOT take gas sample

Rec: 110' Clean Gassy Oil (100% oil)
60' Very Slightly Mud Cut Gassy Oil
120' Oil & Gas Cut Mud (13% gas, 15% oil, 72% mud, 0% water)
60' Oil & Gas Cut Mud (10% gas, 08% oil, 82% mud, 0% water)

350' Total Fluid

Oil Gravity - 40 degrees

Alpine (—RECORDERS
(electronic)

IHYD: 2211 psi
IFP: 50-95 psi
IBHP: 1650 psi
FFP: 79-131 psi
FBHP: 1660 psi
FHYD: 2160 psi

TEMP: 124 degrees F

Tester: Gene Budig, Superior Testing Company, Great Bend, Kansas

Note: conventional DST (dual packers, safety joint, jars, electronic recorders)
NO bottom sampler or circulating sub
Mechanical Chart run-NOT Interpreted