

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License #
Name National Petroleum Reserves, Inc.
Address 260 North Rock Road, #215
City/State/Zip Wichita, Kansas 67206

Purchaser Clear Creek, Inc

Operator Contact Person Ted c. Bredehoff
Phone (316) 681-3515

Contractor: License # 5302
Name Red Tiger Drilling

Wellsite Geologist Dan Deboer
Phone (316) 684-6182

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp Abd
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

- Mud Rotary Air Rotary Cable

4/9/87 4/18/87 4-30-87
Spud Date Date Reached TD Completion Date
4,620'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 202 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt

API NO. 15-101-21,376-00-00
County Lane
NW/4 NE/4 NE/4 35 16S 29W East
Sec..... Twp..... Rge..... West

4950 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

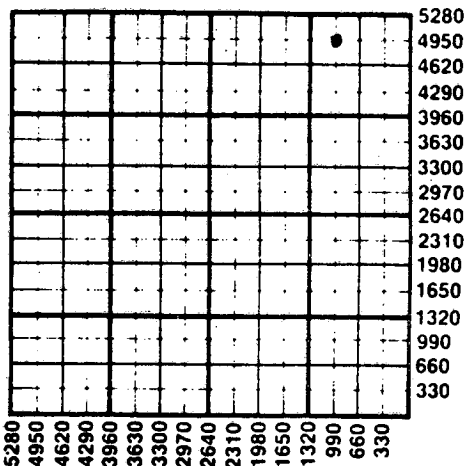
Lease Name Gill Well # 2

Field Name Terwilliger North

Producing Formation Lansing "L"

Elevation: Ground 2796 KB 2801

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: T 87-58
Division of Water Resources Permit #.....

Groundwater 3200 Ft North from Southeast Corner
(Well) 700 Ft West from Southeast Corner
Sec 35 Twp 16S Rge 29 East West

Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.

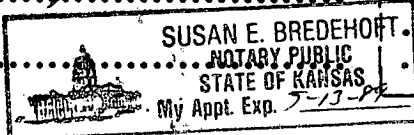
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 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 [Signature]
Title Pres/Treas. Date 9-15-87

Subscribed and sworn to before me this 15th day of September 1987
Notary Public [Signature]

Date Commission Expires 5-13-89



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGSTE Plug Other
(Specify)
Form ACO-1 (7-84)
Wichita, Kansas

09-16-1987

Sec 35 Twp 16S Rge 29W

SIDE TWO

Operator Name National Petroleum Reserves, Inc. Lease Name Gill Well # 2

Sec. 35 Twp. 16S Rge. 29W East West County Lane

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input checked="" type="checkbox"/> Sample Anhydrite 2186
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Lansing/KC "G" 4065-72 Limestone, white-cream, occasionally light grey, moderately indurated, microcrystalline, non-argillaceous, occasionally fossils, cherty. Good oomoldic porosity. 1-2 pieces w/dark brown stain, no show of free oil. Lansing/KC "J" 4190-4200; Limestone, cream-light gray-white, microcrystalline, non-argillaceous, occasional ooids-fossils, fair interoid-fossil porosity with good oomoldic porosity, some apparent microporosity; fair show of free oil in the samples. DST #1-Lansing/KC "J" (4175-4205) 30-60-30-60; 1st open strong blow off bottom of bucket in 3 minutes; 2nd open strong blow off bottom of bucket in 7 minutes; recovery 300' gas in pipe; 10' gassy oil; 200' oil & water cut mud; 290' oil & mud cut water; 900' oil & mud cut water; SIP 806-817; FP 148-360; 492-590. Lansing/KC "K" 4226-34; Limestone, light grey-tan moderately indurated; microcrystalline, non-argillaceous, occasional ooidsfossils, poor-fair inter-	<table border="1" style="width:100%"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Base/Stonecorral</td><td>2214</td><td></td></tr> <tr><td>Tarkio</td><td>3537</td><td></td></tr> <tr><td>Howard</td><td>3640</td><td></td></tr> <tr><td>Topeka</td><td>3681</td><td></td></tr> <tr><td>Queen Hill</td><td>3794</td><td></td></tr> <tr><td>Heebner</td><td>3923</td><td></td></tr> <tr><td>Toronto</td><td>3945</td><td></td></tr> <tr><td>Lansing</td><td>3963</td><td></td></tr> <tr><td>Stark</td><td>4209</td><td></td></tr> <tr><td>Base/KC</td><td>4304</td><td></td></tr> <tr><td>Lenapah</td><td>4320</td><td></td></tr> <tr><td>Marmaton</td><td>4339</td><td></td></tr> <tr><td>Altamont</td><td>4379</td><td></td></tr> <tr><td>Pawnee</td><td>4414</td><td></td></tr> <tr><td>Ft. Scott</td><td>4464</td><td></td></tr> <tr><td>Cherokee</td><td>4490</td><td></td></tr> <tr><td>Johnson zone</td><td>4527</td><td></td></tr> <tr><td>Mississippian</td><td>4565</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	Base/Stonecorral	2214		Tarkio	3537		Howard	3640		Topeka	3681		Queen Hill	3794		Heebner	3923		Toronto	3945		Lansing	3963		Stark	4209		Base/KC	4304		Lenapah	4320		Marmaton	4339		Altamont	4379		Pawnee	4414		Ft. Scott	4464		Cherokee	4490		Johnson zone	4527		Mississippian	4565	
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CONT)Page 2, Side Two)

CASING RECORD <input checked="" 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"	20#	209'	60/40 Poz	125	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	4,614'	60/40 Poz Ecolite	175 350	10% Salt 1/2# Floseal
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	4225-4227			500 gals 15% FE acid			
				750 gals 15% MOD 202 acid			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size	Set At	Packer at				
	2 3/8"	4230	4197				
Date of First Production	Producing Method						
4-30-87	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
Estimated Production Per 24 Hours	36 Bbls	MCF	0 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

oid-fossil porosity with occasional pinpoint porosity; 2 pieces of free oil, very slight odor, scattered brown stain.

Lansing/KC "L" 4252-54, 4277-79; Limestone, tan-cream, moderate to well indurated, microcrystalline, non-argillaceous, and occasionally cherty, poor intercrystalline porosity with poor-to-fair interoolitic porosity. occasionally free oil in samples.

DST #2 Lansing/KC "K" & "L" (4208-95); 30-60-30-60; 1st open strong blow off bottom of bucket in 7 minutes; 2nd open strong blow off bottom of bucket in 10 minutes; 390' gas in pipe; 150' gassy oil cut mud; 480' gassy mud cut oil; SIP 796-786; FP 131-182; 273-293.

DST #3 Johnson zone (4507-4561) 14-15-8-0; 1st open weak blow died in 10 minutes; 2nd open no blow, flushed, no help, test pulled; recovered 5' mud with oil spots and a show of free oil in the tool; ISIP 148-test pulled; FP92-80; 92-126.

RECEIVED
STATE CORPORATION COMMISSION

SEP 16 1987

CONSERVATION DIVISION
Wichita, Kansas