

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 # 9482
Name National Petroleum Reserves, Inc.
Address 260 N. Rock Rd., Ste. 215
City/State/Zip Wichita, KS 67206

Purchaser

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

Contractor: License # 5302
Name Red Tiger Drilling Co., Inc.

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
6/27/87 7/7/87 7/8/87
Spud Date Date Reached TD Completion Date
4,610
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 250.65 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
Cement Company Name
Invoice #

API NO. 15-101-21-397-000
County Lane
SE SW SE 26 16S 29W East
..... Sec..... Twp..... Rge..... XX West

.....330... Ft North from Southeast Corner of Section
.....1650... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

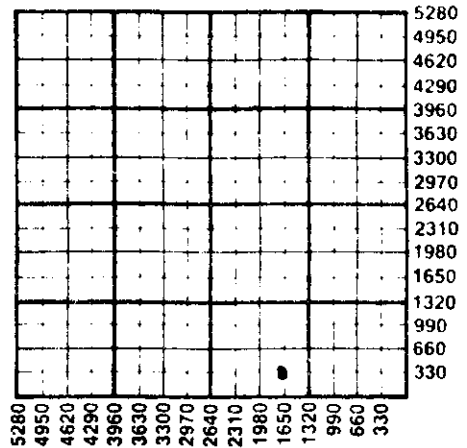
Lease Name James Well # 1

Field Name Terwilliger North

Producing Formation

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:
Division of Water Resources Permit # T. 87-243

Groundwater 400 Ft North from Southeast Corner
(Well) 1,500 Ft West from Southeast Corner of
Sec 26 Twp 16S Rge 29 East XX 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 triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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.

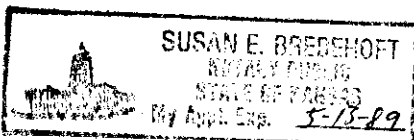
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title President/Treasurer Date 10-15-87

Subscribed and sworn to before me this 15th day of October 1987
Notary Public Susan E. Bredehoff

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
 KGS Plug Other
OCT 19 1987
10-19-87
Form ACO-1 (5-86)



Sec. 26 Twp. 16S Rge. 29W

SIDE TWO

Operator Name **NATIONAL PETROLEUM RESERVES, INC.** Lease Name **James** Well # **1**

Sec. **26** 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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
J-Lansing KC (4214-18) limestone, cream white tan, microcrystalline, non-slightly argillaceous, occasional ooids, chalky, good oomoldic porosity, fair vuggy and frac porosity, very slight show oil, scattered.	3936	
DST #1 J-Lansing KC (4187-4217) 15-15-15-15; 1st open wk blow thru-out; 2nd open wk blow flushed tool no help; recovery 10' mud w/ trace oil; IFP 66-55 FFP 66-55; ISIP 519-15 FSIP 497-15		
K Lansing KC (4234-44) limestone, cream-tan, microcrystalline, occasionally midium crystalline, poor interoolitic porosity, poor show of free oil fair odor		
DST #2 K-Lansing KC (4222-4250) 30-30-30-30; 1st open fair blow; 2nd open fair blow (6") recovery 130' muddy water; IFP 99-121 FFP 154-187; ISIP 541-30; FSIP 541-60		
L Lansing KC (4264-83) cream-tan, moderately indurated, non argillaceous, chalky, Poor intercrystalline porosity, occasional vuggy-pinpoint porosity, poor free oil, scattered brown spotty stain, (cont-Side Two addendum)		

<p align="center">CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used</p> <p align="center">Report all strings set-conductor, surface, intermediate, production, etc.</p>							
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 1/2"	8 5/8"	23#	257'	60-40 POZ	175	3%CC, 2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION Production Interval

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

SIDE TWO (Addendum)

DST #3 Lansing L-KC (4248-4300) 15-15-10-1; 1st open weak blow died 8 minutes; 2nd open no blow, flushed tool, no help; recovery 10' mud; no pressures recorded.

Lenapah (4332-40) cream-tan, moderate-well indurated, microcrystalline, non-argillaceous, chalky, poor intercrystalline porosity, very poor free oil no odor, scattered brown stain

Marmaton (4356-76) cream-mottled tan, well indurated, microcrystalline, non-argillaceous, occasional fossils, poor intercrystalline porosity, occasional pinpoint porosity; no free oil rare dark brown stain, no odor.

DST #4 (4303-4430) Lenapah, Marmaton, Altamont, Pawnee; 30-60-30-60; 1st open good blow (12"), 2nd open fair blow (7"); recovery 180' gas in pipe; 380' oil-cut mud, IFP 165-198; FFP 254-265; ISIP 563-60; FSIP 408-60.

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