

SIDE ONE

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
Wichita, KS. 67206
City/State/Zip

Purchaser

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

Contractor: License # 5864
Name Lobo Drilling Company

Wellsite Geologist Howell Crenshaw
Phone (316) 832-0870

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

If **OWO**: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable

4-27-88 5-6-88 5-6-88
Spud Date Date Reached TD Completion Date
4695'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 387 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. 15-109-20,457-00-00
County Logan
SW NW NE Sec. 25 Twp. 11 Rge. 33 West

4290 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

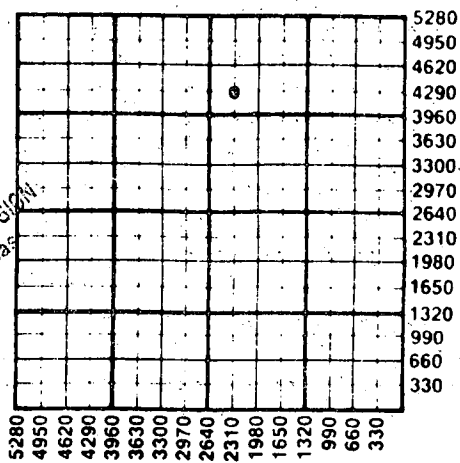
Lease Name Ehrlich Well # 1

Field Name Cook Southeast

Producing Formation

Elevation: Ground 3109 KB 3114

Section Plat



RECEIVED
AUG - 5 1988
8 - 5 - 1988
CONSERVATION DIVISION
Wichita, Kansas

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: Water well
Division of Water Resources Permit # T88-216
Groundwater 4290 Ft North from Southeast Corner
(Well) 2310 Ft West from Southeast Corner of
Sec 25 Twp 11 Rge 33 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 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 8/4/88

Subscribed and sworn to before me this 4th day of August 1988

Notary Public Susan E. Bredehoff

Date Commission Expires

SUSAN E. BREDEHOFF
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 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
(Specify)
8-5-88
Form ACO-1 (5-86)

See 25 Twp. 11 Rge. 33

SIDE TWO

Operator Name National Petroleum Reserves, Inc. Lease Name..... Ehrlich Well #..... 1

Sec..... 25 Twp..... 11 Rge..... 33 East West County..... Logan

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 type="checkbox"/> Log <input checked="" type="checkbox"/> Sample
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LANSING (4160-4170) Limestone, light gray, finely crystalline, fossiliferous, pin point, vugular and fossil moldic porosity, spotty brown stain trace odor, good show of free oil DST #1 (4150-4193); 30-30-45-45; 1st opening-built to 8"; 2nd opening-built to 10"; recovery 90 ft mud w/oil spots; 360 ft water; SIP 1237-1226; FP 58-105; 128-198; BHT 130°.	<table border="0" style="width:100%"> <tr> <th align="left">Name</th> <th align="right">Top</th> <th align="right">Bottom</th> </tr> <tr> <td>Heebner</td> <td align="right">- 927</td> <td></td> </tr> <tr> <td>Toronto</td> <td align="right">- 955</td> <td></td> </tr> <tr> <td>Lansing</td> <td align="right">- 973</td> <td></td> </tr> <tr> <td>Stark</td> <td align="right">-1188</td> <td></td> </tr> <tr> <td>Base/KC</td> <td align="right">-1261</td> <td></td> </tr> <tr> <td>Marmaton</td> <td align="right">-1284</td> <td></td> </tr> <tr> <td>Pawnee</td> <td align="right">-1389</td> <td></td> </tr> <tr> <td>UpperCherokee</td> <td align="right">-1439</td> <td></td> </tr> <tr> <td>LowerCherokee</td> <td align="right">-1473</td> <td></td> </tr> <tr> <td>Johnson Zone</td> <td align="right">-1517</td> <td></td> </tr> <tr> <td>Mississippian</td> <td align="right">-1570</td> <td></td> </tr> </table>	Name	Top	Bottom	Heebner	- 927		Toronto	- 955		Lansing	- 973		Stark	-1188		Base/KC	-1261		Marmaton	-1284		Pawnee	-1389		UpperCherokee	-1439		LowerCherokee	-1473		Johnson Zone	-1517		Mississippian	-1570	
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JOHNSON ZONE (4631-4637); Limestone, light gray, fossiliferous, chalky in part, scattered porosity, trace spotty brown stain, no odor no show of free oil.																																					

CASING RECORD <input 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 Pipe	12 1/2"	8 5/8"	24#	387'	60/40 Poz	220	2% Gel, 3% C.C.

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	Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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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