

* Amended

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

5

135- 23,321- 00-00

Operator: License # 9482
Name National Petroleum Reserves, Inc.
Address 260 N. Rock Road
Suite 215
City/State/Zip Wichita, KS 67206

API NO. 15-.....
County..... Ness
C..... SW SW 14 16 24 East
..... Sec..... Twp..... Rge..... X West

660 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser.....

Lease Name..... Mosnar Well #..... 1

Operator Contact Person Ted C. Bredehoft
Phone 316 681-3515

Field Name..... WC

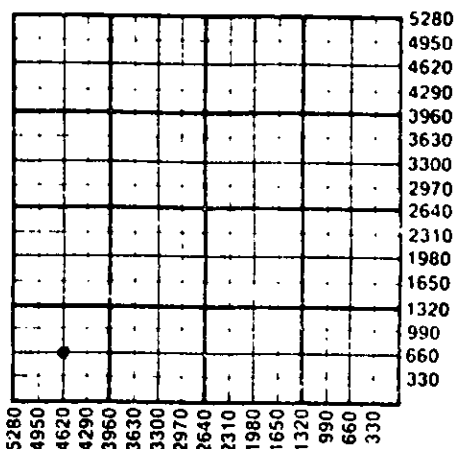
Producing Formation.....

Contractor: License # 5929
Name Duke Drilling Company, Inc.

Elevation: Ground 2451 KB 2458

Wellsite Geologist PAN DEBOER
Phone 918-225-2773

Section Plat



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

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Wichita, Kansas

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

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket #..... Repressuring

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1-13-89 1-22-89 1-22-89
Spud Date Date Reached TD Completion Date
4500'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 281 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 #.....

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #.....
 Groundwater..... Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West
 Surface Water 660 Ft North from Southeast Corner
(Stream, pond etc.) 4620 Ft West from Southeast Corner
Sec 36 Twp 16 Rge 24 East X 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.

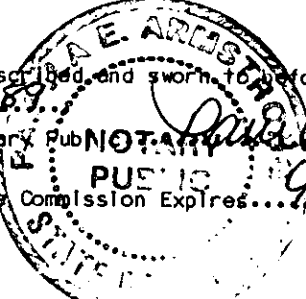
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title Pres/Treas. Date 2/6/89

Subscribed and sworn to before me this 6th day of February 1989
Notary Public [Signature]
Date Commission Expires 9-16-90

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)
2-7-89
Form ACO-1 (5-86)

Sec 14 Twp 16 Rge 24



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

Sec..... 14 Twp..... 16 Rge..... 24 East West County..... Ness

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

DST #1 Mississippian 4377- 4441
 20-20-15-15
 rec'y: 10' sl oil sptd mud
 IH:2246
 IFP: 73-64
 ISIP: 73
 FFP: 64-64
 FSIP: 64
 FH: 2227
 BHT: NA

DST #2	
4377-4456 Mississippian	30-30-15-30
Rec'y: 70' sl OCM	HP:2320-2301
FP:91-91,100-100	SIP: 164-137

DST #3 Mississippian 4377-4465
 30-30-45-60
 Rec'y: 240' sl oil sptd thin mud
 IH: 2283
 IFP: 100-109
 ISIP:972
 FFP: 146-155
 FSIP: 1045
 FH: NA
 BHT:NA

Name	Top	Bottom
Anhydrite	1793 (+665)	
Heebner	3812 (-1354)	
Lansing	3856 (-1398)	
Stark	4086 (-1628)	
B/KC	4146 (-1688)	
Marmaton	4200 (-1742)	
Pawnee	4264 (-1806)	
Ft. Scott	4344 (-1886)	
Cherokee	4367 (-1909)	
Mississippian	4437 (-1979)	

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	12 1/4"	8 5/8"	20#	281'	60/40 Poz	190	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				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

DRILLER'S WELL LOG

15-135-23321-00-00

DATE COMMENCED: January 13, 1989

National Petroleum Reserves, Inc.
Mosnar #1
C SW SW
Sec. 14-16-24W
Ness County, KS

DATE COMPLETED: January 22, 1989

0 - 650' Surface Soil, Sand & Shale
 650 - 1234' Shale, Sand & Shale
 1234 - 1790' Anhydrite
 1790 - 2205' Lime & Shale
 2205 - 2610' Shale & Shells
 2610 - 3285' Lime & Shale
 3285 - 3474' Shale & Lime
 3474 - 3697' Lime & Shale
 3697 - 3883' Lime
 3883 - 4126' Lime & Shale
 4126 - 4233' Lime
 4233 - 4465' Lime & Shale
 4465 - 4500' Miss., Chert & Lime
 4500' RTD

Surface Pipe: Set new
8 5/8" at 281' with 190 sks
60/40 Pozmix, 2% gel, 3% C.C.

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STATE CORPORATION COMMISSION

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02-07-1989
CONSERVATION DIVISION
Wichita, Kansas

A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

GLENDAL L. MUSGROVE of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Glendal L. Musgrove
Glendal L. Musgrove

SUBSCRIBED AND SWORN to before me this 25 day of January, 1989.

Loraine M. Hague
Notary Public

