STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 083-21,389

11-21-25W

County Hodgeman

50' N & 50' E of C - SE - - - Sec. 11 Twp. 21S Rge. 25 E/W

1370 Feet from S/N (circle one) Line of Section

1270 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Grass Well # 5

Field Name Stairett

Producing Formation Mississippian

Elevation: Ground 2298' KB 2303'

Total Depth 4422' PBTD

Amount of Surface Pipe Set and Cemented at 206 Feet

Multiple Stage Cementing Collar Used? X Yes ____ No

If yes, show depth set 1533 Feet

If Alternate II completion, cement circulated from 1533

feet depth to surface w/ 340 sx cmt.

Drilling Fluid Management Plan 3-5-93
(Data must be collected from the Reserve Pit)

Chloride content ~~44,000~~ ppm Fluid volume 175 bbls

Dewatering method used evaporate

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County Docket No.

Operator: License # 5701

Name: National Oil Company

Address P. O. Box 399

City/State/Zip Garden City, KS 67846

Purchaser: Texaco

Operator Contact Person: Michael Wreath

Phone (316) -275-2963

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Scott Corsair

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

X 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:

Comp. Date Old Total Depth

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back PBTD
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Inj?) Docket No.

12/2/92 Spud Date | 12/11/92 Date Reached TD | 12-21-92 Completion Date

RECEIVED
KANSAS CORPORATION COMMISSION
MAR 03 1993
CONSERVATION DIVISION
WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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 Scott Corsair

Title Geologist Date 2-25-93

Subscribed and sworn to before me this 25th day of February, 19 93.

Notary Public Stanley R Erb

Date Commission Expires 1-5-96

Stanley R. Erb
NOTARY PUBLIC
State of Kansas
My Appt. Expires 1-5-96

K.C.C. OFFICE USE ONLY
F ____ Letter of Confidentiality Attached
C ____ Wireline Log Received
C ✓ Geologist Report Received

Distribution
✓ KCC ____ SWD/Rep ____ NGPA
✓ KGS ____ Plug ✓ Other (Specify) DS

Form ACO-1 (7-91)

Operator Name: National Oil Company Lease Name: Grass Well #: 5

Sec. 11 Twp. 21S Rge. 25 ☐ East ☒ West County: Hodgeman

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 (Attach Additional Sheets.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☐ Yes ☒ No

List All E.Logs Run:

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

Name	Top	Datum
Anhydrite	1551	+752
Heebner	3736	-1433
Lansing	3782	-1479
Pawnee	4264	-1961
Ft. Scott	4305	-2002
Cherokee	4331	-2028
Mississippi	4409	-2106
Osage		

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	20	206	60/40poz	135	2% gel 3% cc
production	7 7/8	4 1/2	10.5	4412	60/40poz	165	2%gel 10%salt 3/4%hala 322 1/4# flocel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
X Protect Casing	surface		HLC	340	1/4# Flocele
___ Plug Back TD					
___ Plug Off Zone	1533				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	4400		☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj.	Producing Method
12-21-92	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10		150		38

Disposition of Gas:

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

METHOD OF COMPLETION

☒ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify) _____

Production Interval

4412 – 4422