

COMPLETION REPORT AND
DRILLER'S LOG

State of Kansas Geological Survey

API No. 15 — 187- — 20,330
County Number

NW 1/4 NE 1/4

Operator

National Oil Company

Address

200 West Douglas - Suite 800, Wichita, KS

Well No.

1

Lease Name

Williams

Footage Location

330

feet from (N) line

330

feet from (W) line

Principal Contractor

Cheyenne Drilling

Geologist

Benny Singleton

Spud Date

10-15-80

Date Completed

12-12-80

Total Depth

5455

P.B.T.D.

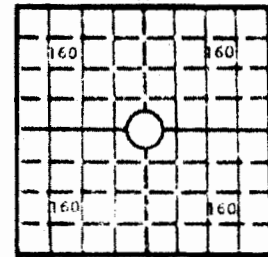
5412

Directional Deviation

Oil and/or Gas Purchaser

Ks. Nebr. - Gas; Permian-oil.

County Stanton

640 Acres
N

Locate well correctly

Elev.: Gr. 3372

DF 3378 KB 3381

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
surface	12-1/4	8-5/8	24#	1559'	1t. wt. & com	650	2%w/lite wt. 3%w/common
prod.	7-7/8	5-1/2	15.5	5454'	Halib Lite 60/40 Poz.	50 200	10% salt 7-1/2# Gil./sx 3/4-1% CRF2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4/ft	thru tbq.jet	5374-86'
TUBING RECORD			4/ft	thru tbq/jet	5382-86
Size 2-3/8" OD	Setting depth 5390'	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal MOD 202 Acid w/50,000 SCF/bbl Nitrogen	5374-86'
200 gal 10% MA ASA Acid	5382-86

INITIAL PRODUCTION

Date of first production January 2, 1981		Producing method (flowing, pumping, gas lift, etc.) pumping		
RATE OF PRODUCTION PER 24 HOURS	Oil 60 BOPD bbls.	Gas 100 MCFG MCF	Water bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) sold			Producing interval(s) 5374-5386'	

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator National Oil Company		DESIGNATE TYPE OF COMPLETION: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 1	Lease Name Williams	Gas & Oil	
S <u>27</u> T <u>30</u> R <u>41</u> ^{EXX} _W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME DEPTH
Log Tops:			Log ran:
Heebner 3608' (-227')			Dual Ind.SFL 1555-5449
Lansing 3721' (-340')			Comp. Neutron 3454-5454
Morrow Shale 4938' (-1557')			
Upper Morrow Sand 5074' (-1693')			
Middle Morrow Sd. 5278' (-1897')			
Keyes Sand 5374' (-1993')			
Mississippi 5411' (-2030')			
D.S.T. #1 5076-4905, Times: 30,30,60,60, good blow throughout, Rec. 10' Mud, IFP 56-32, FFP 27-21, ISIP 256 FSIP 1137#, temp. 100 D.S.T. #2 5393-5420' times 30, 30, no blow, rec. 1' mud, ISIP 27, IFP 13-13.			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature Consulting Geologist Title January 5, 1981 Date		