

State Geological Survey  
WICHITA, BRANCH

**KANSAS DRILLERS LOG**

S. 25 T. 31 R. 16 W

Loc. C S2

County Comanche

API No. 15 — 033 — 20,163  
County Number

Operator

National Oil Co.

Address

200 West Douglas, Suite 550 Wichita, Kansas 67202

Well No.

#4

Lease Name

Schuette

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Gabbert-Jones

Geologist

Walter Martz

Spud Date

11-5-74

Total Depth

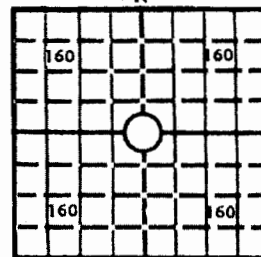
4914

P.B.T.D.

Date Completed

Oil Purchaser

640 Acres  
N



Locate well correctly

Elev.: Gr. 2029

DF \_\_\_\_\_ KB 2034

**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
		8-5/8"	16 jts	318'	common	300	2% gel 3% cc

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

**TUBING RECORD**

Size	Setting depth	Packer set at			

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated

**INITIAL PRODUCTION**

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS		Oil	Gas	Water	Gas-oil ratio
		bbls.	MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		

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, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. 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 - Amarex, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 4	Lease Name Schuette	
S 25 T 31 S R 16 W E W C S/2		

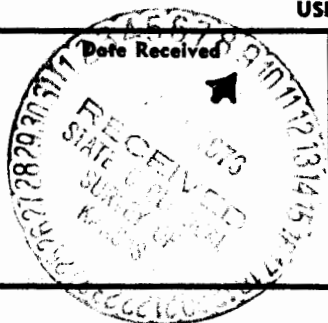
### WELL LOG

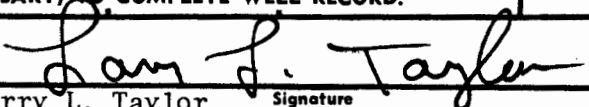
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1, 4790-4825'; 30-60-60-90; Str blow throughout; Rec. 3600' GIP; 290' OGCM; IFP 59; FFP 111; ISIP 1507; FSIP 1420.			Electric Log Tops	
			Heebner	4142 -2108
			Lansing	4319 -2285
DST #2, 4832-4868'; 45-60-45-60; wk to strg blow; Rec. 1800' GIP; 70' GCM; IFP 51; FFP 51; ISIP 231; FSIP 368			B/KC	4715 -2681
			Pawnee	4806 -2772
			Ft. Scott	4852 -2818
			Miss	4900 -2866
DST #3, 4878-4914'; 30-60-30-60; GTS in 2"; Gauged 953,000 CFG in 10", 20", & 30", and stablized; Rec. 30' GCM, no wtr; IFP 154; FFP 154; ISIP 1657; FSIP 1639			LTD	4913 -2879
			RTD	4914 -2880

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.



  
 Larry L. Taylor Signature  
 Exploration Manager Title  
 September 8, 1975 Date

25-31-16W

Schuetz #4  
C-S/2 Sec 25-31-16W  
Comanche County Kansas

Commenced: 11-5-74

Completed: 11-18-74

15-033-20, 163

OPERATOR: NATIONAL OIL COMPANY

Depth		Formation	Remarks
From	to		
0	60	Surface Clay-Sand	
60	320	Redbed-Shells	Ran 16 jts of used 8 5/8" csg
320	640	Redbed	set @ 318' Cemented w/
640	1555	Redbed-Shale	300 sks Common 2% Gel
1555	2185	Shale-Shells	3% CC PD @ 1:15 a.m.
2185	2375	Lime	11-6-74
2375	2870	Lime-Shale	
2870	3435	Shale-Lime	
3435	4045	Lime-Shale	
4045	4150	Lime	Ran 158 jts of used 5 1/2" csg
4150	4275	Shale-Lime-Sand	set @ 4902' Cemented w/
4275	4914	Lime	100 sks 50/50 Posmix 18% Salt
			2% Gel PD @ 4:30 a.m.
			11-18-74
	4914TD		

I, James S. Sutton II, certify this is a correct copy of the Drillers' Log for the well drilled C/S/2 Sec 25-31S-16W Comanche County Kansas to the best of my knowledge and belief.

STATE OF KANSAS )  
 ) SS  
COUNTY OF SEDGWICK)



*James S. Sutton II*  
JAMES S. SUTTON II

Before me, the undersigned, a Notary Public within and for said County and State, on this 25th day of November, 1974, personally appeared James S. Sutton II to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.

*Notary Seal*