

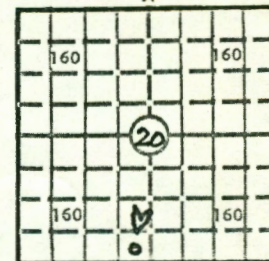
KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH

S. 20 T. 34 R. 12 E

Loc. SW SE SW

County Chautauqua

640 Acres
N

Elev.: Gr. Unk

DF Unk KB Unk

API No. 15 — 019 — 20258
County Number

Operator

Federal Petroleum, Inc.

Address 3000 Liberty Tower Oklahoma City, Oklahoma 73102

Well No.

39

Lease Name

Winchell

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Lyle Smith Drlg. Co.

Geologist

None

Spud Date

9-27-71

Total Depth

1169

P.B.T.D.

Date Completed

10-23-71

Oil Purchaser

Koch Oil Co.

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	9	7		21	None		
Prod	6-1/4	4 1/2		1162	Reg	125	3% Gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
				1/2" Jet	1120-1128

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Fraced with 8000 gals gelled SW & 7500 lbs sand	1120-1128

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
10-23-71	Pump				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	46 bbls.	Unk MCF	6 bbls.	Unk	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
Vented			1120-1128		

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.

Motor

Federal Petroleum, Inc.

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

Well No. 39	Lease Name Winchell	Oil
S 20 T 34S R 12 E		

WELL LOG

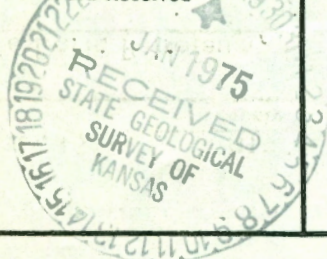
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Soil, Red Beds, Lime	0	43		
Shale	43	55		
Sand	55	80		
Shale	80	88		
Sand and shaley sand	88	142		
sandy shale	142	167		
Sand	167	184		
Shale	184	200		
Sandy shale	200	232		
Shale and sdy sh with lime streaks	232	490		
Lime	490	496		
Shale and sdy shale	496	556		
Limey sand	556	588		
Shale and sdy shale	588	720		
Sand and limey sd	720	756		
Shale	756	788		
Sand	788	880		
Shale	880	912		
Lime	912	919		
Shale	919	1096		
Lime-Peru Caprock	1096	1114		
Sand, oil, Core	1114	1130	Peru	
Shale	1130	1169TD	Ran GR-N From Surface to TD	

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

Date Received



Robert D. Rogers

Signature

Vice President

Title

6-14-74

Date