

**KANSAS DRILLERS LOG**

State Geological Survey  
WICHITA, BRANCH

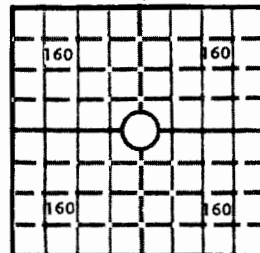
API No. 15 — 077 — 20,172  
County Number

S. 19 T. 34 R. 9 ~~W~~

Loc. C E<sup>1</sup>/<sub>2</sub> E<sup>1</sup>/<sub>2</sub>

County Harper

640 Acres  
N



Elev.: Gr. \_\_\_\_\_

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

Operator  
**McCoy Petroleum & Kedco Corp.**

Address

Well No. #1 Lease Name Cummings

Footage Location  
feet from (N) (S) line \_\_\_\_\_ feet from (E) (W) line \_\_\_\_\_

Principal Contractor \_\_\_\_\_ Geologist \_\_\_\_\_

Spud Date \_\_\_\_\_ Total Depth \_\_\_\_\_ P.B.T.D. \_\_\_\_\_

Date Completed \_\_\_\_\_ Oil Purchaser \_\_\_\_\_

**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

**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		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No.	Lease Name	
S ___ T ___ R ___ E ___ W		

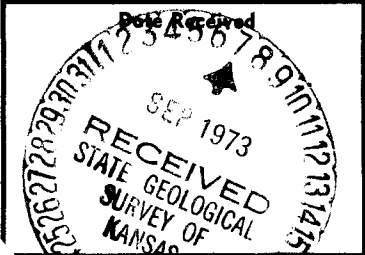
**WELL LOG**

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

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



_____	Signature
_____	Title
_____	Date

19-34-9W

DAILY REPORT

McCoy Petroleum Company & Kedco Corp.  
 Cummings #1  
 C E/2 E/2 Sec. 19-34S-9W  
 Harper County, Kansas

Contractor: Sweetman Drilling, Inc. - Rig #1

Elevations: 1278 KB 1275 DF 1268 GL

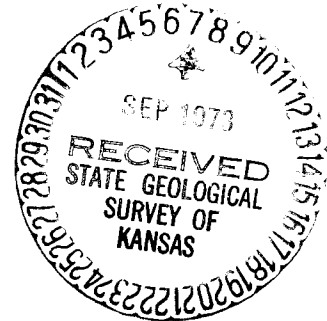


- 12- 6-72 Stake location.
  - 12- 7-72 Dig pits and level location.
  - 12- 8-72 Moving in, rigging up rotary tools.  
Spud @ 7:00 P.M.
  - 12- 9-72 Set 8-5/8" new 20# surface casing @ 269'. Globe cemented with 225 sx common cement, 2% gel, 3% calcium chloride. Cement Circulated. Plug down @ 2:30 A.M.
  - 12-10-72 Drilling @ 1585'.
  - 12-11-72 Drilling @ 2405'.
  - 12-12-72 Drilling @ 3065'.
  - 12-13-72 Drilling @ 3650'.
  - 12-14-72 Down for repairs @ 3905'. Should be back drilling this afternoon.
  - 12-15-72 Drilling @ 4180'.
  - 12-16-72 Drilling @ 4460'.
  - 12-17-72 RTD @ 4610'. Pulling DST #1
- DST #1 4588-4612' (Mississippian)  
 Open 30", Shut in 45", Open 60", Shut in 60".  
 Gas to surface in 2 minutes.  
 Gauge 802,000 CFGPD in 15 and 30 minutes on first open period.  
 Gauge 875,000 CFGPD in 30 minutes and stabalized on second open period.  
 Recovered 45 feet of gas cut mud.  
 IBHP 1953# FBHP 1932# FP 168-179# 168-179# HH 2483# BHT 125°.

19-34-9W

McCoy Petroleum Company  
 Cummings #1  
 C E/2 E/2 Sec. 19-34S-9W  
 Harper County, Kansas

Page 2



DRESSER ATLAS LOG TOPS

Heebner	3496(-2218)
Iatan	3760(-2482)
Stalnaker Sand	3832(-2554)
Kansas City	4090(-2812)
Stark Shale	4232(-2954)
Cherokee Shale	4485(-3207)
Mississippian	4585(-3307)
LTD	4612(-3334)

Penetrated 27 feet Mississippian Gas Zone. Samples are estimated 75% dolomite and 25% chert.

Set new 4½"- 10.5#- K 55- R 2- ST & C production casing at 4589' (23' off bottom). Baker Triplex basket shoe on bottom of casing. Globe cemented with 150 sacks common cement, 15% salt. 10 bbls. salt flush ahead of cement. Plug down at 3:00 A.M. 12-18-72.

- 2-26-73 Moving in Hayes Well Service Completion Unit.
- 2-27-73 Finish moving in Completion Unit, tubing, and pump. Will drill out tomorrow.
- 2-28-73 Ran 2 3/8" tubing w/rotary bit on bottom. Drilled plug, cement and Triplex shoe. Clean out to RTD. Circulate KCL treated water. Swing tubing at 4595'. Swab well to kick off. Kicked off at 4th pull at 4:15 P.M. 7:00 P.M. venting 750,000 CFG slight mist of load water. Left well flowing overnight. Will acidize in the morning.
- 3- 1-73 7:30 A.M. Venting 893,000 CFGPD, Dry Gas. FCP 270# FTP 240#. Acid Engineers acidize w/1000 gal. 15% SME acid. Maximum Pressure 900#, Minimum Pressure 700#. Average injection rate 3½ BPM. ISIP 500#. Pressure drop to 125# in 34 minutes. Pull swab once from 600' and once from 3000' and well kicked off. Kick off at 11:00 A.M. Put on 1" choke @ 11:30 A.M. Choke to 24/64" @ 1:30 P.M. Gauge as follows:

Time	Casing Pressure	Tubing Pressure	Choke	Orifice	PSI	Gauge	Remarks
2:00	470#	240#	24/64"	1½"	19#	1,187,000 CFGPD	Heavy fog load water
2:30	470#	245#	24/64"	1½"	20#	1,233,000 CFGPD	Fog load water
3:00	470#	245#	24/64"	1½"	20#	1,233,000 CFGPD	Fog load water
3:30	470#	245#	24/64"	1½"	20#	1,233,000 CFGPD	Fog load water

Shut in @ 3:30 for pressure build up.

McCoy Petroleum Company  
 Cummings #1  
 C E/2 E/2 Sec. 19-34S-9W  
 Harper County, Kansas



**19-34-9W**

Page 3

Time	Casing Pressure	Tubing Pressure	Choke	Orifice	PSI	Gauge	Remarks
4:00	1000#	850#					Open choke
5:00	700#	540#	18/64"	1½"	20#	1,233,000 CFG	Fog load water
5:00	640#	420#	21/64"	1½"	21#	1,270,000 CFG	Fog load water

Shut in @ 6:00 P.M.

3- 2-73 Shut in.

3- 3-73 SICP 1480# SITP 1260# Open well @ 11:00 A.M.

1:15	500#	300#	20/64"	2 "			Fog load water
3:00	380#	145#	32/64"	1½"	17#	1,105,000 CFG	Light fog water & oil
4:30	360#	145#	32/64"	1½"	16#	1,064,000 CFG	Light fog water & oil
5:30	1050#	970#	Shut in				

3- 7-73 SICP 1460# SITP 1410# Open well, unloaded water for approximately 5 minutes. Casing pressure dropped to 400#, tubing pressure 0#, and well died. Left open one hour. Casing pressure rose to 1000#, tubing still dead. Shut in.

3-14-73 SICP 1540# SITP 520# Open well. Tubing blew down to 0#, kicked off after open 45", unloaded water approximately 10 minutes, went to dry gas approximately 15 minutes, went to light spray oil and water and died in approximately 30 minutes. Casing pressure rose to 1490# in 6 hours. Tubing still dead.

3-15-73 SICP 1540# SITP 100# Open tubing--dead. Equalize twice, well would not kick off. Open casing side vents and blow down. Kicked off through annulus @ 4:00 P.M.

5:00 P.M. Casing open TP 240# Estimate 1,000 MCFG Spray water

6:15 Shut in casing-- open through tubing.

6:30 FCP 400# TP 0# Vent dry gas 14/64" choke

6:45 FCP 600# TP 0# Vent dry gas 14/64" choke

7:00 FCP 800# TP 30# Vent dry gas 14/64" choke

Leave well flowing on 14/64" choke overnight.

3-16-73 FCP 1500# FTP 830# Choke mostly frozen. Vent estimate 150 MCFG, dry. Unfreeze choke.

11:30 A.M.	FCP 750#	FTP 450#	14/64" choke	gauge 773 MCFG	light fog fluid
3:00 P.M.	FCP 680#	FTP 360#	14/64" choke	gauge 650 MCF	light fog fluid
4:00 P.M.	FCP 300#	FTP 80#	40/64" choke	gauge 725 MCFG	light fog fluid

