

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

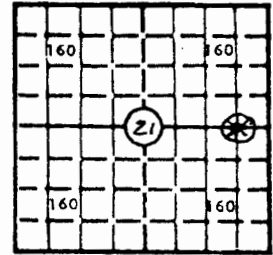
State Geological Survey WICHITA BRANCH

S. 21 T. 32 R. 8 W

Loc. C E/2 E/2

County Harper

640 Acres N



Elev.: Gr. 1418

DF 1425 KB 1428

API No. 15 — 077 County — 20,716 Number

Operator McCoy Petroleum Corporation

Address One main Place / Suite 410 Wichita, KS 67202

Well No. 1 Lease Name Catlin-Masner

Footage Location 2640 feet from (N) line 660 feet from (E) line

Principal Contractor Sweetman Drilling, Inc. Geologist Robert E. McCann

Spud Date 8-29-81 Date Completed 9-25-81 Total Depth 3704' P.B.T.D. 3680

Directional Deviation None Oil and/or Gas Purchaser Peoples Natural Gas

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 #	274'	Common	250	2% gel 3% cal. chloride
Production	7 7/8"	4 1/2"	10.5 #	3702'	<del>Common</del> Latex	75 75	1/4" Floeal/sack

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	SSB Jet	3649-3666

Size	Setting depth	Packer set at
2 3/8" EUE	3651	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acid 2500 gallons 15% HCL	3649-3666

INITIAL PRODUCTION

Date of first production (Test) 9-16-81	Producing method (flowing, pumping, gas lift, etc.) Flow
RATE OF PRODUCTION PER 24 HOURS	Oil 0 bbls. Gas 324 MCF Water 33 bbls. Gas-oil ratio — CFPB
Disposition of gas (vented, used on lease or sold) To be sold	Producing interval (s) 3649-3666' (stalnaker)

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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator <i>Mcloy Petroleum Corporation</i>		DESIGNATE TYPE OF COMP.: OIL, GAS DRY HOLE, SWDW, ETC.:
Well No. <i>1</i>	Lease Name <i>Catlin-Masner</i>	<i>Gas</i>
<i>S 21 T 32 R 8 W</i>		

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
<i>See attached Report</i>				

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

Date Received	Signature
	Title
	Date

21-32-8W

State Geological Survey  
WICHITA BRANCH

WELL LOG  
Catlin-Masner  
C E/2 of E/2 21-32S-8W  
Harper County, Kansas

Name of Operator: McCoy Petroleum Corporation  
One Main Place - Suite 410  
Wichita, Kansas 67202

Date Completed: 9-4-81

FROM	TO	
0	600	Red Bed and Shale
600	1207	Shale
1207	3650	Lime and Shale
3650	3710	Sand
3710		Total Depth

STATE OF KANSAS

COUNTY OF BARTON ss

Gary L. Hawk, Secretary of Sweetman Drilling, Inc., being first duly sworn on oath says: That I have knowledge of the facts, statements and matters herein contained and the log of the above described well as filed and that the same are true and correct.

*Gary L. Hawk*  
Gary L. Hawk

Subscribed and sworn before me this 14th day of September, 1981.

LARRY A. REISER  
NOTARY PUBLIC  
My commission expires June 12, 1984

*Larry A. Reiser*  
Notary Public Barton County

RECEIVED  
STATE CORPORATION COMMISSION  
SEP 16 1981  
CONSERVATION DIVISION  
Wichita Kansas

21-32-8W<sup>1</sup>



Natural Gas • Crude Oil  
Exploration & Production

**McCOY PETROLEUM CORPORATION**

One Main Place / Suite 410 Wichita, Kansas 67202

John Roger McCoy  
President

316-265-9697

Harvey H. McCoy  
Vice-President

DAILY REPORT

McCoy Petroleum Corporation  
#1 Catlin-Masner  
C E/2 E/2 Section 21-32S-8W  
Sullivan Field  
Harper County, Kansas  
API # 15-077-20,716

Contractor: Sweetman Drilling, Inc.  
Geologist: Robert E. McCann

Elevations: 1428 KB 1425 DF 1418 GL Measurements from KB.

08-29-81 Move in Rotary Tools. Rig up. Spud @ 5:30 P.M. Set new 8-5/8" OD, 24# surface casing @ 274'. Halliburton cement with 250 sacks common cement, 2% gel, 3% calcium chloride. P.D. @ 12:30 A.M. 8-30-81.

08-30-81 WOC @ 274'.

SAMPLE TOPS

08-31-81 Drilling @ 1550'.

Heebner	3347(-1919)
Iatan	3634(-2206)
Stalnaker	3637(-2209)
Stalnaker Porosity	3654(-2226)

09-01-81 Drilling @ 2344'.

09-02-81 Drilling @ 3232'.

09-03-81 Taking DST #1 @ 3670'.

DST #1 3636'-3670' (Stalnaker Sand)

Open 30", S.I. 60", Open 90", S.I. 90"

Strong blow. Gas to surface in 24 minutes on 2nd open.

Gauge 2.76 MCF/30"

5.64 MCF/40"

6.72 MCF/50"

8.30 MCF/60"

10.00 MCF/70"

12.10 MCF/80"

14.60 MCF/90"

Recovered 75' gas cut mud.

ISIP 1112# FSIP 1528#

FP 35-44# 44-79#

McCoy Petroleum Corporation  
#1 Catlin-Masner  
C E/2 E/2 Section 21-32S-8W  
Harper County, Kansas

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09-04-81 RTD 3710'. Ran Gearhart Dual Induction - CND Logs. Run 93 joints of new 4-1/2" OD, 10.5#, J-55 API casing. Set @ 3702' KB, 2' off bottom. Shoe joint is 22.45' long overall. Halliburton cement with 75 sacks class "A" and 75 sacks Latex cement, 1/4# per sack of Floseal.

ELECTRIC LOG TOPS

Heebner	3343(-1915)
Iatan	3628(-2200)
Stalnaker	3631(-2203)
Stalnaker Porosity	3648(-2220)
LTD	3704(-2276)

09-15-81 Move in Hayes Well Service. Swab casing dry.

09-16-81 Dump 250 gallons Acetic acid and 10 bbl. KCL water in casing. Run Gearhart Gamma Ray CCL Log. Perforate Stalnaker Sand from 3649' to 3666' using 2 shots per foot with deep penetrating jets. Run 32.63' open end 2-3/8" EUE mud anchor, seating nipple, 111 joints of new 2-3/8" EUE J-55 tubing and (1) 8' sub. Total tally = 3643.01'. Swing @ 3650.51' KB. Well vented gas while going in hole with tubing. Run tubing swab. 1500' of fluid in hole. Swab back load to pits. Vent 43,000 CFGPD. CP 95#. Leave well venting to pit overnight.

09-17-81 FCP 100# Venting gas. Not measured. Pull swab twice. Recovered 5.80 BF then well flowed additional 2.32 BF. Gauge 103,000 CFGPD FCP 190# Rig up Halliburton to acidize. Acidize down tubing with 2,500 gallons 15% HCL with 3 gallons Cla-Sta and 50 gallons FE-1A iron sequestering agent. Use 30 ball sealers. Start in formation @ 1/2 BPM @ 200#, increase rate to 4 BPM @ 550#, pressure gradually increased to 675#. With 2,000 gallons in, ball action increased pressure to 1000# breaking back to 600#. Final pressure 800#. ISIP 300#. 25 minute pressure drop to 60#. Total load = 129 bbls. Flow back 8 bbls. Start swabbing. Recovered 112 bbls. (-17 BL) CP 235# Good show of gas. Blow down casing. Leave casing and tubing venting to pit overnight.

09-18-81 CP 800# Valve frozen. Tubing loaded up, venting small gas volume. Pull swab. Kick off. Flow estimated 15 BLW to pits. Put through separator on 30/64" choke @ 10:00 A.M.

11:00	30/64" choke	Gauge 369,000 CFGPD	FTP 70#	FCP 370#	8.09 BF
12:00	30/64" choke	Gauge 353,000 CFGPD	FTP 70#	FCP 360#	4.64 BF
1:00	30/64" choke	Gauge 317,000 CFGPD	FTP 50#	FCP 350#	4.64 BF
2:00	30/64" choke	Gauge 317,000 CFGPD	FTP 55#	FCP 340#	4.06 BF

Shut in.

McCoy Petroleum Corporation  
#1 Catlin-Masner  
C E/2 E/2 Section 21-32S-8W  
Harper County, Kansas

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09-19-81 SICP 1240# SITP 1215#

09-20-81 SICP 1315# SITP 1285#

09-21-81 SICP 1330# SITP 1330# (Precision Gauge)

1:30 P.M. Open well @ 3,000,000 CFGPD rate to blow down.

2:00 Gauge 2,500,000 CFGPD Start choking back FTP 400# FCP 570#  
No fluid.

2:30 Gauge 385,000 CFGPD FTP 352# FCP 650# Started making fluid.

3:30 Gauge 283,000 CFGPD FTP 312# FCP 588# 14/64" choke 3.48 BFPH

4:30 Gauge 385,000 CFGPD FTP 290# FCP 583# 14/64" choke 3.48 BFPH

5:30 Gauge 400,000 CFGPD FTP 310# FCP 600# 14/64" choke 2.32 BFPH

9:30 Gauge 353,000 CFGPD FTP 280# FCP 600# 14/64" choke 2.61 BFPH/  
4 hrs.

Leave well flowing overnight.

09-22-81 7:30 A.M. Gauge 283,000 CFGPD FTP 250# FCP 520# 14/64" choke  
2.55 BFPH/10 hrs.

Shut in. Gas volume fairly stable last several hours. Peoples  
Natural Gas Co. will test well 9-24-81.

09-24-81 SICP 1293# SITP 1293# Start test @ 11:00 A.M.

09-25-81 9:00 A.M. Stabilize @ 300,000 CFGPD FCP 568# FTP 325#  
Made 33.4 BW during 22 hour test. Shut in. Wait on pipeline  
connection.