

23-34-14W

WELL COMPLETION REPORT AND
DRILLER'S LOG

S. 23 T. 34 R. 14 W

API No. 15 — 007 — 20,947
County Number

Loc. C SW SW

County BARBER

Operator

MCCOY PETROLEUM CORPORATION

Address

ONE MAIN PLACE / SUITE 410 WICHITA, KS 67202

Well No.

1-23

Lease Name

REED

Footage Location

660

feet from (S) line

660

feet from (W) line

Principal Contractor

SWEETMAN DRILLING, INC.

Geologist

ROBERT E. MCCANN

Spud Date

10-8-80

Date Completed

11-6-80

Total Depth

4832'

P.B.T.D.

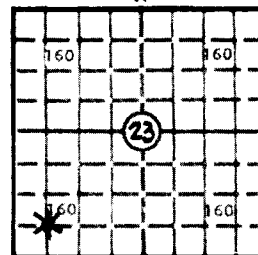
4791

Directional Deviation

NONE

Oil and/or Gas Purchaser

CITIES SERVICE



Locate well correctly

Elev.: Gr. 1611

DF 1618 KB 1621

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"	28*	1068'	Common	300	3% gel 3% Cal. chloride
PRODUCTION	7 7/8"	4 1/2"	10.5*	4830'	50/50 Posmix	100	2% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	Jumbo Jets	4765-4780'

Size	Setting depth	Packer set at
2 3/8" EUE	4766'	NONE

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
10-24-80 2000 gallons 15% MCA	4765-4780'
10-27-80 33,000 gallons 3% gelled acid x 26,000* sand frac.	4765-4780'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
		Flow			
RATE OF PRODUCTION PER 24 HOURS	Oil — bbls.	Gas 446,000 CFPP MCF	Water — bbls.	Gas-oil ratio —	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
SOLD			MISSISSIPPIAN 4765-4780'		

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

McCoy Petroleum Corporation

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

Well No.

1-23

Lease Name

REED

Gas

S 23 T 34 R 14 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

See attached Report.

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

Date Received

Signature

Title

Date

72-361-100



Natural Gas • Crude Oil
Exploration & Production

McCOY PETROLEUM CORPORATION

John Roger McCoy
President

Harvey H. McCoy
Vice-President

One Main Place / Suite 410 Wichita, Kansas 67202

316-265-9697

DAILY REPORT

McCoy Petroleum Corporation & K & E Petroleum, Inc.

#1-23 Reed

C SW SW Section 23-34S-14W
Barber County, Kansas

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

Elevations: 1621 KB 1618 DF 1611 GL Measurements from KB.

10-08-80 Move in Rotary Tools. Rig up. Spud @ 8:00 P.M. Drill 12-1/4" surface hole.

10-09-80 Conditioning 12-1/4" surface hole @ 1068'. Set 8-5/8" surface casing at 1058'. Halliburton cement with 300 sacks light weight cement, 1/2# per sack of Floseal and 300 sacks common cement, 1/4# per sack of Floseal, 2% gel and 3% calcium chloride. Cement circulated. P.D. @ 2:30 P.M.

10-10-80 Drilling @ 1650'.

SAMPLE TOPS

10-11-80 Drilling @ 2385'.

Elgin	3773(-2152)
Heebner	3971(-2350)
Douglas	4020(-2399)
Lansing	4151(-2530)
Stark	4575(-2954)
Mississippian	4765(-3144)

10-12-80 Drilling @ 3125'.

10-13-80 Drilling @ 3578'.

10-14-80 Drilling @ 4267'.

10-15-80 Circulating @ 4800'. Lost circulation after short trip before DST. Lost about 80 bbls. Mix LCM. Hole will stand full but will not circulate from bottom. Decided to go ahead and run DST #1.

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DST #1 4750-4800' (Mississippian)
 Open 30'', S.I. 45'', Open 105'', S.I. 90''
 Strong blow throughout test. No gas to surface.
 Recovered 2634' of fluid as follows:
 1580' of gassy drilling mud.
 310' of watery gas cut mud.
 744' of gassy water (chlorides on bottom stand
 check @ 36,000 ppm)
 ISIP 2013# FSIP 1972#
 FP 478# - 642# 751# - 1214#

(Note) Chlorides from produced Mississippian water
 on offset well checks 105,000 ppm.

ELECTRIC LOG TOPS

Elgin	3773(-2152)
Heebner	3972(-2351)
Douglas	4022(-2401)
Lansing	4146(-2525)
Stark Shale	4573(-2952)
Mississippian	4762(-3141)
LTD	4832(-3211)

10-17-80 RTD 4833' Preparing to run production casing.

(Note) Calculate 640 barrels of mud lost in Mississippian.

Set 151 joints of new 4-1/2'', 10.5#, K-55, R-2, API Casing @
 4830'. Halliburton cement with 100 sacks 50-50 Posmix, 2% gel,
 15# per sack of gilsonite and 1/2# per sack of Floseal. Main-
 tained circulation throughout cement job. P.D. @ 6:45 P.M.

10-18-80 W.O.C. Temperature survey cement top @ 4250'.

10-22-80 Move in Hayes Well Service Completion Unit. Rig up Dresser-Atlas.
 Run GR-CCL log. PBD 4791'. Perforate Mississippian from 4765
 to 4780' with Jumbo Jets, 2 shots per foot. Swab down with
 casing swab. Swab 7 Bbl. gassy mud per hour for 3 hours. Good
 show of gas. Shut down for night.

10-23-80 FU 2700'. Swab down with casing swab. Recovered 47 barrels.
 First half mostly mud, second half mostly water. After swab
 down, 1st hour; 2.43 BF, dark colored water, trace of oil. 2nd
 hour; 1.67 BF, dark colored water, trace of oil. Next 1/2 hour;
 .67 BF, dark colored water, trace of oil. Gas vapor while
 pulling swab. Little or no blow between pulls. Rig up to run
 2-3/8'' EUE tubing. Run 149 joints of new 2-3/8'' EUE, 4.7#, J-55
 tubing, seating nipple and 6' sub. Swing @ 4773' KB. Make up
 well head. Gas blow on annulus. Gauge 12,000 CFG through
 orifice tester. Shut in for night.

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- 10-24-80 SITP 200# SICP 140# Run tubing swab. 1400' muddy water, trace of oil and good show of gas. Rig up Halliburton to acidize. Acidize down tubing with 2000 gallons MCA containing 4 gallons HC-2 and 20 gallons Fe-1A. Treat as follows: Load hole. Displace acid to bottom. Start feeding @ 200# @ 1/2 BPM, increase rate to 6 BPM. At 6 BPM rate the treating pressure gradually increased from 2100# to 2500# (Casing pressure from 500 to 580#). Used ball sealers. Perforations balled off with 2 barrels of acid left to pump. Pump last 2 bbls. @ 1 BPM @ 400#. 5 minutes pressure drop to 250#, 10 minutes and 15 minutes 150#. Bleed back. Rake balls off perforations with tubing. Pull 6' sub. Hole still full of fluid after 55 minutes. Total load = 118 barrels. Swab tubing. Swab down to 2900'. Recover approximately 100 barrels of acid load. Fair show of gas with load water. Shut in for night.
- 10-25-80 SITP 380# SICP 150# Blew down tubing. Run tubing swab. 2000' gassy water in tubing. Water is mostly fresh. Swab 21 barrels of water 1st hour, good gas show, CP 100#. Swab 7 barrels of water 2nd hour, good gas show, CP 100#. Swab 3 barrels of water 3rd hour, good gas show, CP 100#. Gas came around bottom on last pull the 3rd hour. Very little fluid in hole. Shut in until Monday. Chlorides from water swabbed last hour check 50,000 ppm. (Mostly filtrate water) Calculate we are still short 500 to 600 barrels of mud and mud filtrate lost in zone.
- 10-27-80 SICP 580# SITP 740# Blow down tubing. Run tubing swab. 2000' of fluid in tubing. 2-3' of free oil and 150' of oily water on top. Swab down. Recovered 20 bbls. of gassy water. Gas came around bottom. Gauge 15,000 CFG, FCP 150#. Pull tubing for frac. Halliburton frac down casing as follows: All fluid is 3% gelled acid. 5,000 gallons pad, 28,000 gallons frac fluid with 16,000# of 20/40 sand and 10,000# of 10/20 sand, 5,000 gallons of flush. Maximum pressure 1400# at start, minimum pressure 1060# at start of flush. Average injection rate 34.5 BPM. ISIP 250# Pressure drop to 100# in 15 minutes. Shut in for night.
- 10-28-80 Fluid 100' down. Run sand pump. Recovered 5 gallons of sand and 13 ball sealers. Run 70 joints of 2-3/8" tubing. Shut down for night.
- 10-29-80 Finish running tubing. 149 joints of new 2-3/8" EUE, 4.7#, J-55 tubing, seating nipple, 3' perforated sub and 25' open end mud anchor. Swing @ 4766' KB. Make up head. Swab 46 BLW 1st hour, show gas, fluid 200' down. Swab 45 BLW 2nd hour, show gas, fluid 200' down.

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10-30-80 Swab for 8 hours. Recovered estimated 150 bbl. load water.
Swab and flow last 2 hours. Good increase in gas. Well trying
to kick off. Estimate 325 bbl. of frac load recovered (short
625 bbl. frac load). Shut in for night.

10-31-80 SICP 860# SITP 840# Run tubing swab. Kick off flowing. Put
through separator at 10:30 A.M.

11:00	Gauge 155,000	CFGPD	FTP 30#	FCP 700#	Large stream of load water. No gauge.
12:00	Gauge 185,000	CFGPD	FTP 30#	FCP 705#	Large stream of load water. No gauge.
1:00	Gauge 303,000	CFGPD	FTP 30#	FCP 605#	Large stream of load water. No gauge.
2:00	Gauge 303,000	CFGPD	FTP 30#	FCP 545#	Decrease in fluid.
3:00	Gauge 303,000	CFGPD	FTP 30#	FCP 530#	Decrease in fluid.
6:00	Gauge 303,000	CFGPD	FTP 30#	FCP 470#	Decrease in fluid.

Left well flowing.

11-01-80 9:00 Gauge 265,000 CFGPD FTP 30# FCP 375# Well making 4 Bbl. of
Green acid water per
hour, 1% oil.

12:00 Gauge 265,000 CFGPD FTP 30# FCP 375# 4 BLWPH (Green acid
water, 1% oil.)

Shut in until Monday for pressure build up.

11-03-80 SICP 1460# SITP 1460# Open well on 15/64" choke @ 8:45 A.M.

9:45	Gauge 952,000	CFGPD	FCP 960#	FTP 930#	15/64" choke	No fluid.
10:45	Gauge 653,000	CFGPD	FCP 730#	FTP 330#	15/64" choke	5 BLWPH
11:45	Gauge 382,000	CFGPD	FCP 690#	FTP 290#	15/64" choke	4 BLWPH
12:45	Gauge 280,000	CFGPD	FCP 700#	FTP 305#	15/64" choke	4 BLWPH
2:45	Gauge 219,000	CFGPD	FCP 770#	FTP 370#	15/64" choke	3 BLWPH
3:45	Gauge 398,000	CFGPD	-	-	15/64" choke	-
5:15	Gauge 259,000	CFGPD	FCP 605#	FTP 210#	15/64" choke	3 BLWPH

Left well flowing overnight.

11-04-80 9:00 Gauge 219,000 CFGPD FCP 510# FTP 200# 15/64" choke 2.5 BLWPH

Gas flow stabilized for last 12 hours. Water is dark green acid load
water. Shut in. Wait on Cities Service test and pipeline connection.

11-05-80 SICP 1310# SITP 1300#

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11-06-80 Cities Service test: 446,000 CFGPD One point open flow.
SICP 1371# SITP 1371#