

22- 32-10W

15-007-22151



WELL REPORT

#191 (87-4)

McCoy Petroleum Corporation
#1 Eck
C NW NW Sec. 22-32S-10W
Barber County, Kansas

Contractor: Allen Drilling Company, Rig #2
Geologist: Kevin McCoy

Elevations: 1455 GL 1460 KB

4-06-87 Move in Allen Drilling Company, Rig #2. Rig up.
Spud @ 6:00 PM. Set new 8 5/8" OD, 24# API surface
casing @ 283'. BJ Titan cemented with 175 sacks of
common cement, 2% gel, 3% calcium chloride. PD @
11:45 PM.

4-07-87 WOC @ 283'

SAMPLE TOPS

4-08-87	Drilling @ 1855'	Heebner	3464 (-2004)
		Lansing	3646 (-2186)
4-09-87	Drilling @ 2665'	Kansas City	3938 (-2478)
		Stark	4086 (-2626)
		Cherokee	4315 (-2855)
4-10-87	Drilling @ 3444'	Mississippian	4357 (-2897)
		Kinderhook	4567 (-3107)
4-11-87	Drilling @ 4003'	Viola	4647 (-3187)
		RTD	4690 (-3230)
4-12-87	Drilling @ 4365'		

4-13-87 Circulating @ 4390'

JUL 16 1987
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

DST #1 4360-4375' (Mississippian)
Open 30", SI 45", Open 60", SI 60"
Strong blow throughout test,
Gas to the surface in 1" on second open.
Gauge 57,700 CFGPD in 05 minutes,
19,900 CFGPD in 10 minutes,
21,900 CFGPD in 20 minutes,
22,800 CFGPD in 30 minutes,
24,500 CFGPD in 40 minutes,
24,500 CFGPD in 50 minutes,
25,100 CFGPD in 60 minutes.
Recovered 85' of oil cut mud, 10% oil.
ISIP 1299# FSIP 1299#
FP 35-35# 35-35#

STATE OF KANSAS
DEPARTMENT OF GEOLOGY

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DST #2 4375-4390' (Mississippian)
 Open 30", SI 45", Open 60", SI 60"
 Strong blow throughout test.
 No gas to the surface.
 Recovered 30' of oil cut mud, 20% oil, and
 60' of oil cut mud, 20% oil and 30% water
 (40,000 ppm chlorides)
 ISIP 1090# FSIP 1090#
 FP 47-47# 57-57#

DST #3 4390-4405' (Mississippian)
 Open 30", SI 45", Open 60", SI 60"
 Strong blow throughout test.
 No gas to the surface.
 Recovered 50' of slightly oil cut mud,
 5% oil.
 ISIP 764# FSIP 787#
 FP 35-35# 59-59#

4-14-87 Going in hole after DST #4 @ 4435'

DST #4 4420-4435' (Mississippian)
 Open 30", SI 45", Open 60", SI 60"
 Strong blow throughout test.
 Recovered 70' of oil specked mud,
 60' of watery mud,
 300' of salt water.
 ISIP 1334# FSIP 1322#
 FP 59-71# 142-189#

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4-15-87 Trip for DST #5 at 4660'

**KANSAS GEOLOGICAL SURVEY
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DST #5 4645-4650' (Viola)
 Open 30", SI 30", Open 30", SI 30"
 Weak blow for 25" on 1st open.
 Recovered 15' of mud.
 ISIP 0# FSIP 11#
 FP 0-0# 0-0#

4-16-87 RTD @ 4690' Run Schlumberger logs. Set 129 joints
 of used 4 1/2" OD, 10.5#, R-2 and R-3 casing @ 4685'
 Halliburton cemented with 175 sacks of Posmix, 40%
 Pozzolan, 60% cement, 2% gel, 10% salt, .75% CFR-2
 and 10# gilsonite per sack. Run 500 gallons of
 Super Flush K ahead of cement. Rotate pipe. Shoe
 joint with shoe = 32.83'. PD @ 6:50 AM.

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ELECTRIC LOG TOPS

Heebner	3464 (-2004)
Lansing	3645 (-2145)
Kansas City	3940 (-2480)
Stark	4084 (-2624)
Cherokee	4314 (-2854)
Mississippian	4359 (-2855)
Kinderhook	4566 (-3106)
Viola	4650 (-3190)
LTD	4690 (-3230)

4-21-87 WOC. Will start completion next week.

4-28-87 Move in Hayes Well Service. Swab casing down to 3900'. Rig up Schlumberger. Run Gamma Ray CCL Log. Found PBTD @ 4622'. Perforate Mississippian from 4360 to 4375' with 2 shots per foot. Shut in for night.

4-29-87 Venting gas (no measurement). Fluid 3500' down (400' fill up overnight), 150' of free oil on top. Swab down. Swab dry. Rig up Halliburton to acidize. Acidize down casing with 1000 gallons of 10% FE as follows: Start feeding 1/4 BPM @ 900#, pressure decreased to 750#. Feed 2 BPM @ 1050#, decreasing to 800#. Feed 4 BPM @ 875#. Feed 5 BPM @ 950# increasing to 1000# final pressure. ISIP 700#. On Vacuum in 8 minutes. Total load = 96 barrels. Swab down to perforations. Recovered 81 barrels of fluid, show of oil on last 2 pulls. Let set 1/2 hour. Fill up 100', recovered 1.59 BF, 8% oil. Short 13 barrels of acid load. Rig up Halliburton to Frac. Frac down casing with 17,000 gallons of MY-T-GEL LT with 6000# of 20-40 sand and 14,500# of 12-20 sand as follows: 4000 gallons of pad on bottom @ 12 BPM @ 1160#. Pump 2000 gallons with .5#/gallon 20-40 sand @ 12 BPM @ 1120#. Pump 2000 gallons with 1#/gallon 20-40 sand @ 12 BPM @ 1130#. Pump 2000 gallons with 1.5#/gallon 20-40 sand @ 12 BPM @ 1150#. Pump 2000 gallons with 1.5#/gallon 12-20 sand @ 12 BPM @ 1150#. Pump 2000 gallons with 2#/gallon 12-20 sand @ 12.5 BPM @ 1150#. Pump 3000 gallons with 2.5#/gallon 12-20 sand @ 12.2 BPM @ 1140#. Pump 4000 gallons of flush @ 12.4 BPM with 1530# final pressure. ISIP 1140#.

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4-29-87 (Continued) On vacuum in 90 minutes. Run 2-3/8" tubing as follows: 31' open end mud anchor, 2' perforated nipple, seating nipple, 139 joints of tubing. No subs. Swing @ 4355'. Shut in for night.

4-30-87 500 barrels of frac load to recover. Start swabbing back load. Test as follows:

1st hr.	Swab	26.68	BF		
2nd hr.	Swab	22.04	BF		
3rd hr.	Swab	19.72	BF,	Show gas.	
4th hr.	Swab	21.00	BF,	GSG, Trace oil.	
5th hr.	Swab	22.04	BF,	GSG, 1% oil.	
6th hr.	Swab	16.24	BF,	GSG, 2% oil.	
7th hr.	S&F	14.40	BF,	GSG, 2% oil.	CP 180#
8th hr.	S&F	23.20	BF,	GSG, 2% oil.	CP 210#
1/2 hr.	S&F	11.50	BF,	GSG, 3% oil.	CP 250#

Short 323.23 barrels of frac load. Shut in for night.

5-1-87 SICP 450# SITP 420# Blow down. Fluid 900' down, 100' free oil on top. Test as follows:

HR.	FLUID	OIL	FCP	GAS GAUGE
1st	S/19.72 BF (-304 BL)		430#	
2nd	S/19.72 BF (-284 BL)		450#	
3rd	S/19.72 BF (-264 BL)	3%	510#	Conn. Separator
4th	F/24.36 BF (-240 BL)	5%	570#	175,000 CFGPD
5th	F/26.68 BF (-213 BL)	9%	570#	313,000 CFGPD
6th	F/31.32 BF (-182 BL)	10%	600#	360,000 CFGPD
1/2	F/14.32 BF (-168 BL)	10%	620#	375,000 CFGPD

Shut down for 15" to put on choke. Choke back holding approximately 100# FTP.

1/2	F/13.92 BF (-154 BL)	11%	660#	300,000 CFGPD
8th	F/24.36 BF (-129 BL)	12%	760#	288,000 CFGPD
9th	F/19.72 BF (-110 BL)	12%	710#	411,000 CFGPD
10th	F/26.00 BF (-84 BL)	12%	690#	470,000 CFGPD

Shut in. Release Hayes Well Service.

5-02-87 SICP 1135# SITP 1135#

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5-04-87 SICP 1180# SITP 1180# Make arrangements for gas
pipeline connection and SWD connection.

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