

CONFIDENTIAL

WELL REPORT

McCoy Petroleum Corporation
Yowell "A" #1-2
SW NW
Section 2-31S-8W
Harper County, Kansas
API #15-077-21,479

MPC #811 (04-09)

RECEIVED
JUN 24 2004
KCC WICHITA

Spud Date: 5-03-04

Contractor: Sterling Drilling Company, Rig #4

Geologist: Tim Lauer

Elevations: 1660' GL 1669' KB (All measurements from KB)

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05-03-04 MIRT. Spud at 4:00 PM. Drilled 12 1/4" hole to 245'. (Survey at 245' = 1/2°). Ran 5 joints of new 8-5/8" 23# L.S. surface casing. Tally=227.67'. Set at 239' KB. Acid Services cemented with 220 sx of 60/40 pozmix with 2% gel, 3% CC and 1/4# celloflake/sk. Plug down at 10:00 PM. Cement circulated. Strapped bottom 3 joints of casing and welded collars on next 2 joints.

05-04-04 TD 280'. Drilling ahead.

05-05-04 TD 1680'. Drilling ahead.

05-06-04 TD 2520'. Drilling ahead.

05-07-04 TD 3340'. Drilling ahead. Partial returns at 2960'(50%). Drilled ahead and slugged with LCM pill (100% returns).

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SAMPLE TOPS

Structure compared to:

McCoy Petroleum Yowell "A" #1-2 C SW NW Sec. 2-31S-8W Elev. 1669 KB	McCoy Petroleum Valdois #1 SW SE NW Sec. 2-31S-8W Elev. 1663 KB	McCoy Petroleum Valdois "C" #1-2 C NW SW Sec. 2-31S-8W Elev. 1674 KB
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Heebner	3415 (-1746)	- 3	- 4
Lansing	3638 (-1969)	+10	+ 5
Kansas City	3887 (-2218)	+ 1	+10
KC Upper "C"	3996 (-2327)	+ 2	+ 5
KC Lower "C"	4031 (-2362)	+ 1	+ 5
Stark Shale	4050 (-2381)	Flat	+ 6
Hertha porosity	4084 (-2415)	+ 2	+ 11
Cherokee	4304 (-2635)	- 5	+ 4
Mississippian	4416 (-2747)	- 4	+ 4
RTD	4440 (-2771)		

05-08-04 Drilling @ 3980'.

Kansas City Upper "C" porosity 3996-4001': Limestone; buff to tan, finely crystalline, slightly oolitic. Scattered fair oolitic, inter-crystalline and vugular porosity. Trace of patchy oil stain. No free oil. 8 unit gas kick.

Kansas City Middle "C" porosity 4020-4026': Limestone; cream, buff and light gray, finely crystalline, slightly cherty. Very scattered poor to fair inter-crystalline porosity. Trace of spotted oil stain. Weak odor. No free oil. No gas kick.

Kansas City Lower "C" porosity 4031-4038': Limestone; cream to gray, finely crystalline, soft, fossiliferous and oolitic. Mealy to granular texture. Fair to good oolitic and inter-crystalline porosity. Scattered rainbow show of free oil. Scattered medium to bright fluorescence and saturated oil stain. 25 unit gas kick.

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DST #1 3986-4046' (Kansas City "C" zone)

Open 30", SI 60", Open 60", SI 60"

Weak blow, built to good 12" blow on 1st open period.

Strong blow, OBB/2" on 2nd open period.

Recovered 650' of gas in pipe,

305' of total fluid as follows:

125' of gassy oil cut mud, (15% gas, 18% oil, 67% mud)

180' of gassy oil cut mud, (20% gas, 20% oil, 50% mud) No water.

FP 19-80# 75-121#

ISIP 1505# FSIP 1485#

05-09-04 Circulate to clean hole @ 4046'.

Swope porosity 4059-4065': Limestone; cream, light gray and buff, finely crystalline, soft to chalky, fossiliferous and oolitic. Poor vugular and pin-point porosity. Trace of oil stain. No show fee oil. Slight show of gas bubbles in part. No fluorescence. 60 unit gas kick.

DST #2 4046-4065' (Swope)

Open 30", SI 30", Open 30", SI 45"

Weak blow, died in 10" on 1st open period.

Weak surge and died on 2nd open period.

Recovered 65' of mud.

FP 17-41# 41-56#

ISIP 1554# FSIP 1577#

Hertha porosity 4084-4090': Limestone; cream, white and tan, finely crystalline, very fossiliferous and oolitic. Fair to good vugular and oolitic porosity. 3% with slight show of free oil, patchy oil stain and fluorescence. No odor. No gas kick.

05-10-04 Drilling @ 4180'.

Mississippian Chert 4416-4430': Drilled ½" per foot. Chrt, wht-crm., w/lt to drk brn stn, ¼ frsh to sli devit, pr wthrd por, ns, ½ devit to sub-trip, w/fr wthrd por, pr-fr pp por, scat pieces w/sli SFO & GB, 50% of that w/ptchy lt to sat stn ¼ sub-trip to trip, w/fr trip por, fr to occ gd pp por, pr vug por, fr to occ gd SFO, fr to gd SGB, md brite sat fluor, sat stn, fr-gd ribbon cut w/o break, gd cut crushed, good floaters, scat pieces w/gd flsh cut, overall wk to fnt odor. 450+ UGK w/200 unit recycled.

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DST #3 4419-4430' (Mississippian)
Open 30", SI 60", Open 90", SI 90"
Strong blow, B.O.B. in 95 sec., no GTS, on 1st open period.
Strong blow, GTS/36" on 2nd open period.
Gauge 4.76 MCF in 40" & 50"
5.32 MCF in 60" & 70"
5.60 MCF in 80" & 90"
Recovered 70' of total fluid as follows:
10' of oil cut mud, (3% oil, 97% mud)
60' of oil cut watery mud (7% oil, 80% mud, 13% water)
FP 19-32# 22-41#
ISIP 1025# FSIP 1112#

05-11-04 Taking DST #3 in the Mississippian @ 4430'. Run Log-Tech Radiation Guard Log. Log measurements are 1' deep to drillers measurements. LTD 4325' (6' of fill on bottom kept log going to true LTD of 4431'). Trip back in hole with bit. Drilled deeper to new RTD of 4440' by drillers measurements, or 4441' by correlative Electric Log measurements.

Additional Mississippian Chert 4430-4440': Drilled 1" to 1/3" per foot. Chert; cream to white with brown oil stain. 80% devitrified and sub-tripolitic with scattered slight to fair show of free oil and gas bubbles. 20% tripolitic with fair pin-point to scattered vugular porosity. Good show of free oil. Fair show of gas bubbles. Saturated fluorescence and brown oil stain. Weak odor. 200 unit gas kick.

05-12-04 RTD 4440' (Drillers measurements). LTD 4441'. Condition hole. Lay down drill pipe and collars. Run 113 joints of new 4-1/2" OD, 10.5#, R-3, ST&C production casing and 1 joint of used 4-1/2" OD, 10.5# production casing. Total tally with guide shoe = 4444.56'. Centralizers on collars on top of joints 1,3,5,10 & 12. Shoe joint with guide shoe = 36.35'. Set casing @ 4439', one foot off bottom. Top of shoe joint @ 4402.65'. Rig up Acid Services. Pumped 24 bbl. salt flush, 3 bbl. water, 12 bbl. mud flush and 3 bbl. Water. Cemented with 175 sacks of AA-2 cement with 5% Calset, 10% salt, 0.1% defoamer, 0.8% FLA-322, 5# gilsonite/sk, 0.25% CFRM and 0.75% Gasblock.. Good circulation throughout. Lift pressure 600#. Bump plug @ 1500#. Float held. PD @ 4:00 AM 05-12-04. Plugged rathole with 15 sacks and mousehole with 10 sacks of 60/40 pozmix, 6% gel. WOC. Rig down and move Sterling Rig #4.

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ELECTRIC LOG TOPS

Structure compared to:

McCoy Petroleum

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C SW NW

Sec. 2-31S-8W

Elev. 1669 KB

McCoy Petroleum

Valdois #1

SW SE NW

Sec. 2-31S-8W

Elev. 1663 KB

McCoy Petroleum

Valdois "C" #1-2

C NW SW

Sec. 2-31S-8W

Elev. 1674 KB

Heebner	3416 (-1747)	- 4	- 5
Lansing	3640 (-1971)	+ 8	+ 3
Kansas City	3888 (-2219)	Flat	+ 9
KC Upper "C"	3996 (-2327)	+ 2	+ 5
KC Lower "C"	4032 (-2363)	Flat	+ 4
Stark Shale	4050 (-2381)	Flat	+ 6
Hertha porosity	4086 (-2417)	Flat	+ 9
Cherokee	4305 (-2636)	- 6	+ 3
Mississippian	4417 (-2748)	- 5	+ 3
LTD*	4425 (-2756)		

*LTD by correlation = 4431(-2762), indicating 6' of fill on bottom when well was logged.

After Electric Log was run, well was drilled 10' deeper, making the new total depth 4440' by drillers measurements, or 4441' by correlative Electric Log measurements.

Indicated Pay Zones:

Mississippian 4417-4431'+. Covered by DST #3

Kansas City U/ "C" 3996-4000'. Covered by DST #1

Kansas City M/ "C" 4018-4024'. Covered by DST #1

Kansas City L/ "C" 4032-4036'. Covered by DST #1

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COMPLETION REPORT

05-18-04 MICT. RIH with bit and 2 3/8" tubing. Tagged plug @ 4403.65'.

05-19-04 RU pump and power swivel. Drilled plug and cement 32.6' to 4436'. Circulated hole clean.

05-20-04 RU LogTech. Run GR-Neutron and cement bond log. LTD 4437'. Good cement bond. TOC @ 3480'. Swabbed down to 3000'. **Perforated Mississippian from 4422' to 4427', 4 SPF, using HSC gun.** RU swab. First hour made 5 pulls to pit. No oil or gas. FL 3800'. Second hour made 4 pulls, 10 BF, show of gas. FL 4400'. RU Acid Services. **Spearheaded with 500 gals of 10% MIRA acid and fracture treated Mississippian with 16,000 gallons of Profrac 25 with 10,000# of 20/40 sand and 3,000# of 12/20 AcFrac as follows:**

6,000 gal	Pad	
4,000 gal	1.0 ppg	20/40
4,000	1.5 ppg	20/40
2,000	1.5 ppg	12/20 AcFrac
3,000	Flush	

Pumped acid and pressure increased to 1000#. Pressure broke back to 750#. Pumped remaining acid at 4 BPM and 800#. Increased rate to 12.3 BPM and began frac. Rate was constant throughout job. With 1# sand on bottom pressure was 1600#. Pressure varied between 1600# and 1700# during job. ISIP 1340#. In 5", 1000#. In 10", 740#. In 15", 557#. SION.

05-21-04 Casing on vacuum. RIH with sand pump. FL 1200' FS. Found 10' of fill. Clean out hole. Recovered 4 gals. of sand. RIH with 20' slotted OEMA, SN, 140 jts of 2 3/8" tubing and a 6' & 4' tubing subs. MA @ 4418' KB. RU swab. Made hourly test as follows.

Hour	Pulls	Rec(bbls)	Fluid level	Comments
1 st	7	16.68	2000'	
2 nd	5	13.36	2400'	
3 rd	4	13.36	2600'	Gas vapors
4 th	4	10.06	2700'	Gas vapors and tint of oil.

SDON.

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05-22-04 SITP 50#. Casing on vacuum. Ran swab. FL 1700' FS. Made hourly test as follows.

<u>Hour</u>	<u>Pulls</u>	<u>Rec(bbls)</u>	<u>Fluid level</u>	<u>Comments</u>
1 st	4	20.04	2700'	Good gas blow, show of oil, CP vac.
2 nd	4	13.36	2800'	Good gas blow, show of oil, CP vac.
3 rd	4	21.71	2900'	Good gas blow, 3% oil, CP 3#.
4 th	3	15.03	Gassy	Good gas blow, 7% oil, CP 32#.
5 th	2	13.36		20 MCF, 7% oil, CP 40#.
6 th	3	16.70		7% oil, CP 100#
7	3	23.38		Well kicked off flowing, 10% oil, CP 150#.
8	FL	11.69		20-40 MCF, 11% oil, CP 220#.

Total recovered 189.62 bbls. Total load 474 bbls. SDOWE.

05-24-04 SITP 360#. SICP 500#. Blew well down. Did not unload. Pumped 20 bbls of KCL water to kill well. RIH with 1"x 10' gas anchor, 2" x 1 1/2" x 14' RWTC pump, 2"x3/4" sub, 175 3/4" rods, 1 1/4"x 22' polish rod and 1 1/2"x 8' polish rod liner. RD.

05-25-04 Set pumping unit. Set separator. Made wellhead connections. Get ready to pump into swab tank.

05-26-04 Well on the pump at 1:30 PM. Pumping 9 SPM and with a 74" stroke length.

05-27-04 Produced 100 barrels of fluid in 17 hrs. This morning well was making 16% oil at the bleeder (~ 22 BOPD) and venting 25 MCF.

05-28-04 Pumped 110 BF. Making 25% oil @ bleeder (27 BOPD rate). Venting 50 MCFGPD. Building pad for tank battery.

05-29-04 Pumped 108 BF.

05-30-04 Pumped 101 BF.

05-31-04 Pumped 85 BF.

06-01-04 Pumped 70 BF. Making 36% oil @ bleeder (25 BOPD rate). Venting an estimated 50 MCFGPD. Setting tanks today.

06-02-04 Pumped 80 BF. Oil % not checked.

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06-03-04 Pumped 73 BF. Oil % not checked. Will connect orifice tester and test gas.

06-04-04 Pumped 90 BF. Oil % not checked. Gas rate was 45 MCF. SI well. Waiting on pipeline connection.

06-07-04 Finish setting tank battery equipment today. Will start flow line and making connections tomorrow.

06-08-04 Made tank battery connections.

06-09-04 Installing flow line and gas line today. Plan to put well on pump tomorrow.

06-10-04 **Put on pump** this morning. Will lay water line after wheat is cut. Waiting on gas purchaser to lay gas line and meter run.

06-11-04 Produced 13.36 BO, 80 BW, CP 90#. Venting gas.

06-12-04 Produced 20 BO, 72 BW and gauged 40 MCF.

06-13-04 Produced 17 BO, 74 BW.

06-14-04 Produced 20 BO, 65 BW.

06-15-04 Produced 25 BO and 65 BW.

06-16-04 Produced 18 BO and 67 BW.

06-17-04 Produced 18 BO and 57 BW.

06-18-04 Produced 18 BO and 55 BW.

06-19-04 Produced 18 BO and 49 BW. Shut in.

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