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WELL REPORT

McCoy Petroleum Corporation
Frame Gas Unit #2-15
SW SW NW
Section 15-34S-25W
Clark County, Kansas
API #15-025-21,250

MPC #772 (03-18)

Spud: 06-29-03

Contractor: Val Energy, Inc. Rig #2

Geologist: Kent Crisler

Elevations: 2059' GL 2069' KB (All measurements from KB) Corrected 7/9/03.

06-23-03 The Rathole Company set 55' of 20" conductor pipe.

06-26-03 MIRT.

06-29-03 Spud at 1:00 PM. Drilled 12-1/4" hole to 815'. Hole complete at 11:45 PM. Ran 19 joints of new 8 5/8" 24# L.S. casing. Talley = 796'. Set casing at 806'. Allied cemented with 275 sacks of 65/35 Poz-mix with 6% gel, 3% CC and 1/4# floreal/sk followed by 150 sacks of Common with 3% CC and 2% gel. Cement circulated to surface. Plug down at 3:15 AM on 6/30/03. WOC

06-30-03 TD 815'. WOC

07-01-03 TD 1545'. Drilling ahead.

07-02-03 TD 2660'. TOH to repair stand pipe.

07-03-03 TD 3005'. Drilling ahead.

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SAMPLE TOPS	Structure compared to	
McCoy Petroleum Frame Gas Unit #2-15 SW SW NW Sec. 15-34S-25W KB: 2069' (KB corrected 7/9/03.	McCoy Petroleum Easterday Unit #3 C NW SE Sec. 16-34S-25W KB: 2063'	Atlantic Frame Gas Unit #1 C SW/4 Sec. 15-34S-25W KB: 2065'

Heebner	4307 (-2238)	+ 3	+ 3
Lansing	4470 (-2401)	- 3	+12
Stark Shale	5033 (-2964)	- 9	- 9
Marmaton	5162 (-3093)	-10	-13
Cherokee	5336 (-3272)	- 7	- 8
Morrow Shale	5604 (-3535)	Flat	Flat
Chester	5648 (-3579)	Flat	-12
RTD	5832 (-3763)		

07-04-03 TD 3565'. Drilling ahead. Slowly lost fluid during the day. Added approximately 30 gal/min of water.

07-05-03 TD 4090'. Drilling ahead. No fluid loss. Displaced hole at 4026'. Gas detector operational at 4100'.

07-06-03 TD 4750'. Drilling ahead.

07-07-03 TD 5130'. Drilling ahead.

07-08-03 TD 5472'. Drilling ahead.

07-09-03 RTD 5832'. Condition hole for Electric Logs.

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GAS AND OIL SHOWS. Drillers measurements. Corrected 7/10/03.

Chester "D1" (upper lobe) porosity 5670-5674': Limestone; pelletal and fossiliferous. Tan chalky matrix. Poor apparent porosity. Considerable loose fossil fragments. 32 unit hotwire gas kick. 35 unit chromatograph kick.

Chester "D1" (middle lobe) porosity 5680-5698': Limestone; pelletal and fossiliferous. Tan chalky matrix. Poor apparent porosity. Considerable loose fossil fragments. 37 unit hotwire gas kick. 38 unit chromatograph kick.

Chester "D1 (lower lobe)" porosity 5708-5714': Limestone; pelletal and highly fossiliferous. Fair inter pelletal and fossiliferous porosity. 52 unit hotwire gas kick. 54 unit chromatograph kick.

Chester "C" porosity 5722-5728': Limestone; highly fossiliferous. Fair inter-fossiliferous porosity. 45 unit hotwire gas kick. 55 unit chromatograph gas kick.

Chester "B" porosity 5766-5771': Limestone; tan, highly fossiliferous and re-crystallized. Fair to good pin-point and inter-crystalline porosity. Good show of light free oil. Tan oil saturation. Gas detector readings questionable due to recycled kicks from previous shows.

07-10-03 RTD 5832'. Coming off bottom with Electric Logs this morning. Could not get to bottom on first attempt. Tripped back in hole to bottom and conditioned hole. Run Rosel Dual Induction, Density-Neutron and Microlog Caliper.

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INDICATED PAY ZONES (Electric Log Measurements)

Chester "D1" (upper lobe) porosity 5676-5680': Limestone; pelletal and fossiliferous. Tan chalky matrix. Poor apparent porosity. Considerable loose fossil fragments. 32 unit hotwire gas kick. 35 unit chromatograph kick.

Chester "D1" (middle lobe) porosity 5688-5704': Limestone; pelletal and fossiliferous. Tan chalky matrix. Poor apparent porosity. Considerable loose fossil fragments. 37 unit hotwire gas kick. 38 unit chromatograph kick.

Chester "D1 (lower lobe)" porosity 5714-5720': Limestone; pelletal and highly fossiliferous. Fair inter pelletal and fossiliferous porosity. 52 unit hotwire gas kick. 54 unit chromatograph kick.

Chester "C" porosity 5732-5744': Limestone; highly fossiliferous. Fair inter-fossiliferous porosity. 45 unit hotwire gas kick. 55 unit chromatograph gas kick.

Chester "B" porosity 5772-5778': Limestone; tan, highly fossiliferous and re-crystallized. Fair to good pin-point and inter-crystalline porosity. Good show of light free oil. Tan oil saturation. Gas detector readings questionable due to recycled kicks from previous shows.

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ELECTRIC LOG TOPS	<i>Structure compared to</i>	
McCoy Petroleum Frame Gas Unit #2-15 SW SW NW Sec. 15-34S-25W KB: 2069' (KB corrected 7/9/03.	McCoy Petroleum Easterday Unit #3 C NW SE Sec. 16-34S-25W KB: 2063'	Atlantic Frame Gas Unit #1 C SW 4 Sec. 15-34S-25W KB: 2065'

Heebner	4308 (-2239)	+ 2	+ 2
Lansing	4466 (-2397)	+ 1	+16
Stark	5030 (-2961)	- 6	- 6
Marmaton	5160 (-3091)	- 8	- 6
Cherokee	5337 (-3268)	- 3	- 5
Atoka	5557 (-3488)	- 6	- 7
Morrow	5614 (-3545)	-10	-10
Chester	5654 (-3585)	- 6	-18
Chester "D1"	5674 (-3605)	- 6	- 8
Chester "C"	5732 (-3663)	-10	-20
Chester "B"	5766 (-3697)	-12	-15
LTD	5837 (-3768)		

07-11-03 RTD 5832'. LTD 5837'. Ran 142 jts. of 4 1/2" 10.5# (103 jts Used & 39 jts new) ST&C R-2 & 3 casing. Talley = 5840.16'. Set casing 2' off bottom at 5835' LTD. Top of shoe jt. @ 5798'. Centralizers on top of joints 1,3,5 and 7. RU Acid Services. Pumped 20 bbls of salt flush followed by 20 bbls of mud flush. Cemented with 150 sx of Premium cement with 10% salt, 0.75% gas blok, 0.8% FLA-322, 0.1% defoamer, 5# gilsonite/sk and 1/4# celloflake/sk. Yield 1.26 ft³/sk. 15.6 ppg. 5.1 gals/sk. Landed plug at 1200#. Good circulation. Plug down at 8:00 AM. Flapper in float would not hold. Left with 800# on plug. Cemented mousehole with 25 sx 60/40 pozmix. **WOCT.**

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COMPLETION REPORT

07-14-03 MICT.

07-15-03 RU Rosel. Ran GR-CCL-CBL log. Found top of plug at 5775'. Plug had moved up hole from 5798'. Top of cement was at 5138'. Good bond across all pay zones. Casing swab well dry. RU Rosel. Install master valve and lubricator.

Perforated the following Chester zones with HSC casing guns.

Chester 'B'	5774'	1 shot	Gun #1
Chester 'C'	5734'	1 shot	Gun #2
	5738'	1 shot	
	5743'	1 shot	
Chester 'D' (Lower)	5718'	1 shot	Gun #3
Chester 'D' (Middle)	5691'	1 shot	Gun #4
	5695'	1 shot	
	5700'	1 shot	
Chester 'D' (Upper)	5678'	1 shot	Gun #5

Before perforating, fluid was estimated at 5250'. After perforating Chester "C", fluid level increased 250'. After perforating the Middle Chester "D" had a good blow of gas and fluid level increased 50'. After perforating the Upper Chester "D" had a slight blow of gas and fluid level increased 120'. Perforator's final fluid level was 4830'. Ran swab. Found fluid at 5100'. Made 4 pulls. Swabbed down to 5750'. Swabbed dry. RU orifice tester. Gauged 20 MCFPD. Left well open overnight.

07-16-03 No measurable gas volume this morning. Ran swab. FL 5700' FS. Made 1 pull and recovered 60' of fluid. Swabbed dry. RU Acid Services. **Acidized Chester zones down casing with 5,000 gallons of 15% FE acid with 3% F-1.** Hole loaded with 100 bbls pumped. Walked rate up to 25 BPM @ 2065#, held throughout rest of job. ISIP 550#. In 5 min, 95#. In 7 min, on vacuum. With well dead rigged up Rosel and perforated Chester zones as follows.

Chester 'B'	5772'-5774'	(2' gun, 2 SPF)
Chester 'C'	5732'-5745'	(13' gun, 2 SPF)

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Chester 'D' (Lower)	5715'-5719'	(4' gun, 2 SPF)
Chester 'D' (Middle)	5688'-5696'	(8' gun, 2 SPF)
	5696'-5704'	(8' gun, 2 SPF)
Chester 'D' (Upper)	5676'-5680'	(4' gun, 2 SPF)

During perforating, fluid level dropped from 1400' to 1740'. RIH with open ended 2 3/8" EUE tubing and SN. With 151 joints run, (bottom of tubing at approximately 5169') well started flowing load water from tubing. Stab valve on tubing. Start flowing up annulus. Unload considerable amount of load water and spent acid while making up wellhead. Stripper rubber did not fit properly. Obtain and install new stripper rubber. Make up wellhead. Shut in for night.

07-17-03 SICP 920# SITP 920#. Open tubing on choke at 9:00 AM. Flow dry gas @ rate of approximately 1,500,000 CFG for 15 minutes and started unloading fluid. Initial fluid was condensate followed by spent acid load. Flow load water up tubing until 10:45 AM. At 10:45 AM, FCP 660# and tubing decreased to surging blow. Rig up high pressure truck to kill well so tubing can be run down to casing perforations. Pumped 20 bbls to kill well. Finished running tubing. RIH with 33' OEMA, SN and 179 jts. of 2 3/8" tubing. Set @ 5667' KB. RU swab. At 5:00 PM, CP 600# and well kicked off. At 6:00 PM, CP 500# flowing an estimated 200 MCFPD with a heavy mist of fluid. At 7:00 PM shut-in well.

07-18-03 SICP 880# SITP 880#. Opened well at 9:05 AM at 1346 MCFPD. At 9:15, TP 700#, CP 820#, rate was 1346 MCFPD. At 9:30, TP 360#, CP 710#, rate was 980 MCFPD. At 9:30, TP 360#, CP 710#, rate was 980 MCFPD. At 9:45, TP 240#, CP 670#, rate was 802 MCFPD with slight amount of fluid. At 10:00, TP 90#, CP 600#, rate was 599 MCFPD with slight amount of fluid. At 10:15, TP 60#, CP 560#, rate was 385 MCFPD with slight amount of fluid. At 10:30, TP 50#, CP 560#, rate was 175 MCFPD with slight amount of fluid. At 10:45, TP 20#, CP 570#, rate was 78 MCFPD and 6 bbls of fluid. Swabbed until 5:00 PM and shut-in.

07-21-03 SICP 900# SITP 900#. RU Acid services and Gore Nitrogen. **Treat Chester zone with 10,000 gals of 20% XTA-25 HCL acid foamed with 310,000 SCF of nitrogen to 50 quality.** Started treatment at 10 BPM. Pressure increased to 1970# with 70 bbls pumped. Decreased rate to 8 BPM. Pressure stabilized at 1915#. ISIP 1580#. In 5 min., 1503#. In 10 min., 1461#. In 15 min., 1430#. SI and RD. Left shut-in for 30 minutes. Started flowing well at 11:30 AM through a 1/2" choke nipple. SIP 1400#. At

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12:00 PM, 820/1140#. At 12:30, 560/920#. At 1:00, 420/810#. At 1:30, 350/730#. At 2:00, 280/690#. At 2:30, 130/670#. At 3:00, 20/670#. Ran swab. Made 1 pull. Recovered 2000' of scattered fluid. Well kicked off flowing. At 4:00, 0/600#. At 4:30, 0/570#. At 5:00, 0/570#. Could not run swab. Turn through separator. At 5:30, 175 MCF, 10/590#. At 6:00, 25 MCF, 10/640#. SION and RD.

07-22-03 SITP 990#. SICP 970#. Installed plunger lift. Could not get plunger to travel.

07-23-03 SITP 470#. SICP 930#. Made 3 plunger runs and well died. Appears there is too much fluid for plunger to lift. RU pulling unit. Ran swab and made 3 pulls. CP 720#. Blew down casing to 40#. Pressure built back to 540# in 40 minutes. Swabbed well for 5 hours through separator making 1 run per hour. Recovered 16 BF. CP 550#. Gas rate after each run was 600-700 MCFPD dropping to 200 MCFPD before making next run. SION.

07-24-03 SITP 760#. SICP 790#. Blew well down. At 9:00 AM, rate was 697 MCFPD, 150/600#. At 9:30, 317 MCFPD, 50/590#. Made 1 run with swab and recovered very little fluid. Lower tubing to 5761.5', flowed gas from the annulus with 100# back pressure and swabbed the well 3 times per hour. We are simulating gas rates as if the well was being pumped. Test results are as follows.

<u>Hour</u>	<u>Barrels</u>	<u>Remarks</u>	<u>Gas Rates</u>
1 st	12.5		133-211 MCFPD
2 nd	7.0		144-259
3 rd	6.7	15% Cond	144-259
4 th	6.9	10% Cond	175-331
5 th	7.5	23% Cond	227-357

07-25-03 SITP 0#. SICP 620#. Blew down casing. Pumped 25 bbls of water to kill well. POOH with OEMA and tubing. RIH with 29' slotted OPMA, 1.1' SN and 182 jts of 2 3/8" tubing. End of tubing @ 5758'. SN @ 5729'. RIH with 1"x12' gas anchor, 2" x 1 1/2" x 14' RWTC pump, 2"x3/4" sub, 134 5/8" rods, 94 3/4" rods, 6', 4', 2' 3/4" subs, 1 1/4"x 16' polish rod and 1 1/2"x 8' polish rod liner. RD

07-28-03 Build pumping unit grade, make up wellhead and string flowline.

07-29-03 Set Lufkin 114 pumping unit. Screwing together flowline.

07-30-03 Ditching in flowline today.

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07-31-03 Checking sales meter. Should start flowing well today. Plan to set 200 bbl fiberglass tank tomorrow.

08-01-03 Lease sold 160 MCF. Well #2 contributed an estimated 74 MCF and made 38 BF in 18 hrs. This mornings flow rate was 120 MCF.

08-02-03 Lease sold 138 MCF. Well #2 estimated at 52 MCF and 60 BF.

08-03-03 Lease sold 148 MCF. Well #2 estimated at 62 MCF and 43 BF.

08-04-03 Lease sold 161 MCF. Well #2 estimated at 75 MCF and 50 BF.

08-05-03 Lease sold 168 MCF. Well #2 estimated at 82 MCF and 50 BF.

08-06-03 Lease sold 180 MCF. Well #2 estimated at 94 MCF and 23 BF. Well down with engine trouble.

08-07-03 Lease sold 158 MCF. Well #2 estimated at 72 MCF Overhauled engine.

08-08-03 Lease sold 142 MCF 8 BW. Well #2 estimated at 56 MCF Start back up.

08-09-03 Lease sold 141 MCF 37 BW. Well #2 estimated at 55 MCF.

08-10-03 Lease sold 132 MCF 56 BW. Well #2 estimated at 46 MCF. Venting gas to tank.

08-11-03 Lease sold 137 MCF 37 BW. Well #2 estimated at 51 MCF.

08-12-03 Lease sold 141 MCF 20 BC. Well #2 estimated at 55 MCF.

08-13-03 Lease sold 138 MCF, 10 BW and 5 BC. Well #2 estimated at 52 MCF.

08-14-03 Lease sold 134 MCF, 12 BW and 5 BC. Well #2 estimated at 48 MCF.

08-15-03 Lease sold 133 MCF, 13 BW and 3 BC. Well #2 estimated at 47 MCF.

08-16-03 Lease sold 130 MCF, 10 BW and 3 BC. Well #2 estimated at 44 MCF.

08-17-03 Lease sold 127 MCF, 13 BW and 3 BC. Well #2 estimated at 41 MCF.

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- 08-18-03 Lease sold 127 MCF, 10 BW and 2 BC. Well #2 estimated at 41 MCF.
- 08-19-03 Lease sold 121 MCF, 8 BW and 0 BC. Well #2 estimated at 35 MCF.
- 08-20-03 Lease sold 122 MCF, 8 BW and 0 BC. Well #2 estimated at 36 MCF.
- 08-21-03 Lease sold 122 MCF, 8 BW and 0 BC. Well #2 estimated at 36 MCF.
- 08-22-03 Lease sold 121 MCF, 10 BW and 0 BC. Well #2 estimated at 35 MCF.
- 08-23-03 Lease sold 118 MCF, 3 BW and 0 BC. Well #2 estimated at 32 MCF.
- 08-24-03 Lease sold 118 MCF, 13 BW and 0 BC. Well #2 estimated at 32 MCF.
- 08-25-03 Lease sold 117 MCF, 13 BW and 0 BC. Well #2 estimated at 31 MCF.
- 08-26-03 Lease sold 112 MCF, 8 BW and 2 BC. Well #2 estimated at 26 MCF.
- 08-27-03 Lease sold 112 MCF, 8 BW and 2 BC. Well #2 estimated at 26 MCF.
- 08-28-03 Lease sold 116 MCF, 10 BW and 0 BC. Well #2 estimated at 30 MCF. Fluid column was too gassy to get an accurate fluid level.
- 08-29-03 Lease sold 113 MCF, 10 BW and 0 BC. Well #2 estimated at 27 MCF.
- 08-30-03 Lease sold 113 MCF, 10 BW and 0 BC. Well #2 estimated at 27 MCF.
- 08-31-03 Lease sold 115 MCF, 10 BW and 0 BC. Well #2 estimated at 29 MCF.
- 09-01-03 Lease sold 114 MCF, 12 BW and 2 BC. Well #2 estimated at 28 MCF.
- 09-02-03 Lease sold 113 MCF, 10 BW and 2 BC. Well #2 estimated at 27 MCF.
- 09-03-03 Lease sold 100 MCF, 5 BW and 0 BC. Well #2 estimated at 14 MCF. MIRU. POOH with rods and tubing. Shorten mud anchor. RIH with 12' slotted OPMA, 1.1' SN, 182 jts of 2 3/8" tubing, 8', 4', 2' subs and 1 jt of 2 3/8" tubing. Set 2' off bottom @ 5772'. SN @ 5760'. SDON

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09-04-03 Lease sold 94 MCF, 0 BW and 0 BC. RIH with 1"x6' gas anchor, 2" x 1½" x 14' RWTC pump, 2"x3/4" sub, 134 5/8" rods, 96 ¾" rods, 4' ¾" sub, 1 1/4"x 16' polish rod and 1½"x 8' polish rod liner. RD

09-05-03 Lease sold 96 MCF, 10 BW and 0 BC.

09-06-03 Lease sold 112 MCF, 30 BW and 0 BC.

09-07-03 Lease sold 115 MCF, 15 BW and 0 BC.

09-08-03 Lease sold 112 MCF, 13 BW and 0 BC.

09-09-03 Lease sold 109 MCF, 10 BW and 0 BC.

09-10-03 Lease sold 104 MCF, 7 BW and 0 BC.

09-11-03 Lease sold 104 MCF, 5 BW and 3 BC.

09-12-03 Lease sold 105 MCF, 7 BW and 8 BC.

09-13-03 Lease sold 106 MCF, 8 BW and 2 BC.

09-14-03 Lease sold 105 MCF, 13 BW and 1 BC.

09-15-03 Lease sold 105 MCF, 12 BW and 1 BC.

09-16-03 Lease sold 104 MCF, 7 BW and 1 BC.

09-17-03 Lease sold 103 MCF, 5 BW and 2 BC.

09-18-03 Lease sold 102 MCF, 2 BW and 2 BC.

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