

Company Mc Coy Petroleum Corporation Lease & Well No. #1 "A" Ritter
Elevation 1394 Kelly Bushing Formation Ft. Scott Effective Pay -- Ft. Ticket No. 16124
Date 9/7/82 Sec. 2 Twp. 34S Range 8W County Harper State Kansas
Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4470 ft. to 4500 ft. Total Depth 4500 ft.

Packer Depth 4465 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4470 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4473 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4476 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drilling Drill Collar Length 248 I. D. 2 1/4 in.

Mud Type chemical-starch Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 8.0 cc. Drill Pipe Length 4212 I. D. 3.8 in.

Chlorides - P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make No Serial Number - Anchor Length 30 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak to very weak; died thirteen minutes on initial flow period. Weak to light blow on final flow period.

Recovered 20 ft. of gas cut mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 4:15 ~~A.M.~~ P.M. Time Started Off Bottom 7:15 ~~A.M.~~ P.M. Maximum Temperature 132°

Initial Hydrostatic Pressure 2397 P.S.I. (A)

Initial Flow Period 30 Minutes (B) 70 P.S.I. to (C) 73 P.S.I.

Initial Closed In Period 27 Minutes (D) 130 P.S.I.

Final Flow Period 60 Minutes (E) 50 P.S.I. to (F) 66 P.S.I.

Final Closed In Period 63 Minutes (G) 264 P.S.I.

Final Hydrostatic Pressure 2351 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 9/7/82 Test Ticket No. 16124
 Recorder No. 2606 Capacity 4150 Location 4473 Ft.
 Clock No. --- Elevation 1395 Kelly Bushing Well Temperature 132 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2397 P.S.I. Open Tool 4:15P M
 B First Initial Flow Pressure 70 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 73 P.S.I. Initial Closed-in Pressure 30 Mins. 27 Mins.
 D Initial Closed-in Pressure 130 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 50 P.S.I. Final Closed-in Pressure 60 Mins. 63 Mins.
 F Second Final Flow Pressure 66 P.S.I.
 G Final Closed-in Pressure 264 P.S.I.
 H Final Hydrostatic Mud 2351 P.S.I.

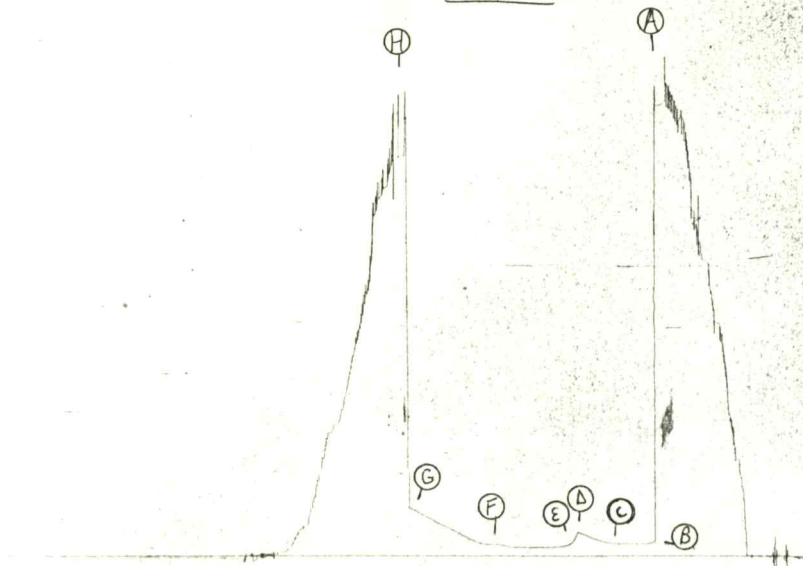
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>70</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>66</u>
P 2 <u>5</u>	<u>70</u>	<u>3</u>	<u>76</u>	<u>5</u>	<u>50</u>	<u>3</u>	<u>66</u>
P 3 <u>10</u>	<u>70</u>	<u>6</u>	<u>80</u>	<u>10</u>	<u>50</u>	<u>6</u>	<u>67</u>
P 4 <u>15</u>	<u>70</u>	<u>9</u>	<u>86</u>	<u>15</u>	<u>50</u>	<u>9</u>	<u>71</u>
P 5 <u>20</u>	<u>70</u>	<u>12</u>	<u>93</u>	<u>20</u>	<u>50</u>	<u>12</u>	<u>77</u>
P 6 <u>25</u>	<u>71</u>	<u>15</u>	<u>101</u>	<u>25</u>	<u>50</u>	<u>15</u>	<u>85</u>
P 7 <u>30</u>	<u>73</u>	<u>18</u>	<u>110</u>	<u>30</u>	<u>50</u>	<u>18</u>	<u>97</u>
P 8		<u>21</u>	<u>120</u>	<u>35</u>	<u>50</u>	<u>21</u>	<u>107</u>
P 9		<u>24</u>	<u>128</u>	<u>40</u>	<u>50</u>	<u>24</u>	<u>119</u>
P10		<u>27</u>	<u>130</u>	<u>45</u>	<u>50</u>	<u>27</u>	<u>130</u>
P11				<u>50</u>	<u>52</u>	<u>30</u>	<u>140</u>
P12				<u>55</u>	<u>63</u>	<u>33</u>	<u>153</u>
P13				<u>60</u>	<u>66</u>	<u>36</u>	<u>163</u>
P14						<u>39</u>	<u>173</u>
P15						<u>42</u>	<u>183</u>
P16						<u>45</u>	<u>198</u>
P17						<u>48</u>	<u>210</u>
P18						<u>51</u>	<u>223</u>
P19						<u>54</u>	<u>234</u>
P20						<u>57</u>	<u>247</u>
						<u>60</u>	<u>259</u>
						<u>63</u>	<u>264</u>

2606 DST#1

TKT. # 16124

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Company Mc Coy Petroleum Corporation Lease & Well No. #1 "A" Ritter
 Elevation 1395 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 16125
 Date 9/ 8 /82 Sec. 2 Twp. 34S Range 8W County Harper State Kansas
 Test Approved by Robert E. McCann Western Representative Rod Tritt
 Formation Test No. 2 Interval Tested from 4646 ft. to 4680 ft. Total Depth 4680 ft.
 Packer Depth 4641 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4646 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4650 ft. Recorder Number 2606 Cap. 4150
 Bottom Recorder Depth (Outside) 4653 ft. Recorder Number 4332 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Sweetman Drilling Drill Collar Length 279 I. D. 2 1/4 in.
 Mud Type chem-starch Viscosity 55 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 8. cc. Drill Pipe Length 4347 I. D. = in.
 Chlorides - P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 34 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout test. Gas to surface twenty-five minutes on initial flow period.
See attached sheet for gas measurements.

Recovered 20 ft. of gas cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 6:40 ~~A.M.~~ P.M. Time Started Off Bottom 9:55 ~~A.M.~~ P.M. Maximum Temperature ?
 Initial Hydrostatic Pressure 2685 P.S.I.
 Initial Flow Period 30 Minutes (B) 26 P.S.I. to (C) 26 P.S.I.
 Initial Closed In Period 45 Minutes (D) 1645 P.S.I.
 Final Flow Period 60 Minutes (E) 11 P.S.I. to (F) 11 P.S.I.
 Final Closed In Period 63 Minutes (G) 1604 P.S.I.
 Final Hydrostatic Pressure 2679 P.S.I. (H)

GAS FLOW REPORT

Date 9/8/82 Ticket 16125 Company McCoy Petroleum Corporation
 Well Name and No. #1 "A" Ritter Dst No. 2 Interval Tested 4646'-4680'
 County Harper State Kansas Sec. 2 Twp. 34S Rg. 8W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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PRE FLOW

25 min.	Inches of water				Gas to surface
30 min.	36" of water	1/4" orifice			10,100 CFPD

SECOND FLOW

10 min.	8.0 PSIG	1/2" orifice			101,000 CFPD
20 min.	6.0 PSIG	1/2" orifice			86,300 CFPD
30 min.	6.0 PSIG	1/2" orifice			86,300 CFPD
40 min.	4.0 PSIG	1/2" orifice			68,800 CFPD
50 min.	4.0 PSIG	1/2" oriice			68,800 CFPD
60 min.	4.0 PSIG	1/2" orifice			68,800 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled 9/8/82 Date to be Invoiced 9/8/82

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal piug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 11½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Mc Coy Petroleum Corporation
 Authorized by Robert E. McCann

WESTERN TESTING CO., INC.

Pressure Data

Date 9/8/82 Test Ticket No. 16125
 Recorder No. 2606 Capacity 4150 Location 4650 Ft.
 Clock No. -- Elevation 1395 Kelly Bushing Well Temperature -- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2685	P.S.I.	6:40P	M
B First Initial Flow Pressure	26	P.S.I.	30	Mins. 30
C First Final Flow Pressure	26	P.S.I.	45	Mins. 45
D Initial Closed-in Pressure	1645	P.S.I.	60	Mins. 60
E Second Initial Flow Pressure	11	P.S.I.	60	Mins. 63
F Second Final Flow Pressure	11	P.S.I.		
G Final Closed-in Pressure	1604	P.S.I.		
H Final Hydrostatic Mud	2679	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	26	0	26	0	11	0	11
P 2 5	26	3	517	5	11	3	283
P 3 10	26	6	742	10	11	6	452
P 4 15	26	9	925	15	11	9	599
P 5 20	26	12	1081	20	11	12	744
P 6 25	26	15	1207	25	11	15	888
P 7 30	26	18	1307	30	11	18	1010
P 8		21	1376	35	11	21	1099
P 9		24	1436	40	11	24	1184
P10		27	1481	45	11	27	1257
P11		30	1527	50	11	30	1319
P12		33	1554	55	11	33	1367
P13		36	1583	60	11	36	1408
P14		39	1609			39	1442
P15		42	1630			42	1473
P16		45	1645			45	1499
P17						48	1524
P18						51	1545
P19						54	1564
P20						57	1580
						60	1595
						63	1604

2606

DST#2

TKT # 16125

I

H

A

G

D

F

E

C

B

Company Mc Coy Petroleum Corporation Lease & Well No. #1 "A" Ritter
Elevation 1395 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 16176
Date 9/ 9 /82 Sec. 2 Twp 34S Range 8W County Harper State Kansas
Test Approved by Robert E. McCann Western Representative Rod Tritt

Formation Test No. 3 Interval Tested from 4660 ft. to 4715 ft. Total Depth 4715 ft.

Packer Depth 4655 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4660 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4664 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4667 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drilling Drill Collar Length 279 I. D. 2 1/4 in.

Mud Type chem-starch Viscosity 52 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 8.2 cc. Drill Pipe Length 4392 I. D. 3.8 in.

Chlorides - P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make No Serial Number - Anchor Length 55 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow in twenty minutes on initial flow period. Strong blow on final flow period-
would not maintain two inch flow gas.

Recovered 40 ft. of gas cut m ud

Recovered 30 ft. of slightly oil and gas cut mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 10:55 A.M. Time Started Off Bottom 2:10 A.M. Maximum Temperature 135°

Initial Hydrostatic Pressure 2712 P.S.I. (A)

Initial Flow Period 30 Minutes (B) 71 P.S.I. to (C) 71 P.S.I.

Initial Closed In Period 42 Minutes (D) 506 P.S.I.

Final Flow Period 60 Minutes (E) 82 P.S.I. to (F) 82 P.S.I.

Final Closed In Period 66 Minutes (G) 1020 P.S.I.

Final Hydrostatic Pressure 2674 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 9/9/82 Recorder No. 2606 Capacity 4150 Test Ticket No. 16176
 Location 4664 Ft. ---
 Clock No. --- Elevation 1395 Kelly Bushing Well Temperature 135 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2712 P.S.I.	Open Tool	10:55A	M
B First Initial Flow Pressure	71 P.S.I.	First Flow Pressure	30	Mins 30 Mins.
C First Final Flow Pressure	71 P.S.I.	Initial Closed-in Pressure	45	Mins 42 Mins.
D Initial Closed-in Pressure	506 P.S.I.	Second Flow Pressure	60	Mins 60 Mins.
E Second Initial Flow Pressure	82 P.S.I.	Final Closed-in Pressure	60	Mins 66 Mins.
F Second Final Flow Pressure	82 P.S.I.			
G Final Closed-in Pressure	1020 P.S.I.			
H Final Hydrostatic Mud	2674 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>22</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>71</u>	<u>0</u>	<u>71</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>82</u>
P 2 <u>5</u>	<u>71</u>	<u>3</u>	<u>71</u>	<u>5</u>	<u>82</u>	<u>3</u>	<u>82</u>
P 3 <u>10</u>	<u>71</u>	<u>6</u>	<u>76</u>	<u>10</u>	<u>82</u>	<u>6</u>	<u>82</u>
P 4 <u>15</u>	<u>71</u>	<u>9</u>	<u>85</u>	<u>15</u>	<u>82</u>	<u>9</u>	<u>92</u>
P 5 <u>20</u>	<u>71</u>	<u>12</u>	<u>112</u>	<u>20</u>	<u>82</u>	<u>12</u>	<u>116</u>
P 6 <u>25</u>	<u>71</u>	<u>15</u>	<u>131</u>	<u>25</u>	<u>82</u>	<u>15</u>	<u>162</u>
P 7 <u>30</u>	<u>71</u>	<u>18</u>	<u>156</u>	<u>30</u>	<u>82</u>	<u>18</u>	<u>204</u>
P 8 <u>---</u>	<u>---</u>	<u>21</u>	<u>187</u>	<u>35</u>	<u>82</u>	<u>21</u>	<u>256</u>
P 9 <u>---</u>	<u>---</u>	<u>24</u>	<u>220</u>	<u>40</u>	<u>82</u>	<u>24</u>	<u>304</u>
P10 <u>---</u>	<u>---</u>	<u>27</u>	<u>257</u>	<u>45</u>	<u>82</u>	<u>27</u>	<u>356</u>
P11 <u>---</u>	<u>---</u>	<u>30</u>	<u>299</u>	<u>50</u>	<u>82</u>	<u>30</u>	<u>406</u>
P12 <u>---</u>	<u>---</u>	<u>33</u>	<u>352</u>	<u>55</u>	<u>82</u>	<u>33</u>	<u>456</u>
P13 <u>---</u>	<u>---</u>	<u>36</u>	<u>404</u>	<u>60</u>	<u>82</u>	<u>36</u>	<u>508</u>
P14 <u>---</u>	<u>---</u>	<u>39</u>	<u>466</u>	<u>---</u>	<u>---</u>	<u>39</u>	<u>564</u>
P15 <u>---</u>	<u>---</u>	<u>42</u>	<u>506</u>	<u>---</u>	<u>---</u>	<u>42</u>	<u>620</u>
P16 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>45</u>	<u>678</u>
P17 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>48</u>	<u>730</u>
P18 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>51</u>	<u>788</u>
P19 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>54</u>	<u>842</u>
P20 <u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>57</u>	<u>892</u>
						<u>60</u>	<u>940</u>
						<u>63</u>	<u>990</u>
						<u>66</u>	<u>1020</u>

2606 VST #3

TKT # 16176

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