



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 22297.

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

Formation K.C. Elevation 1486 K.F. Eff. Pay Ft.

District PRATT Date 10-14-76 Customer Order No.

COMPANY NAME MCCOY PETROLEUM

ADDRESS 816 VICKERS - K.S.B.T. BLDG. WICHITA, KS. 67202

LEASE AND WELL NO. KORMAN #1 COUNTY KINGMAN STATE KS Sec. 8 Twp. 30S Rge. 7W

Mail Inv. To Co. Name SAME Address No. Copies Requested 05042

Mail Charts To Co. Name SAME Address No. Copies Requested 05046

Formation Test No. 1 O.K. X Misrun Interval Tested From 3771 to 3784 Total Depth 3784

Size Main Hole 278 Rat Hole Conv. X B.T. Damaged Yes X No Conv. B.T. Damaged Yes X No

Top Packer Depth 3766 Ft. Size 6 3/4 Bottom Packer Depth 3771 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5160.D Tool Joint Size 4 1/2 F.H. Anchor Length 13 Ft. Size 5 1/2 O.P. Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3774 Ft. Clock No. 4763 Depth 3777 Ft. Clock No. 9712

Top Make KUSTER Cap. 4150 No. 2604 Inside Bottom Make KUSTER Cap. 4000 No. 3660 Inside

Below Straddle: Depth Rec. No. Clock No. Outside Depth Ft. Rec. No. Clock No. Outside

Time Set Packer 5108 P M

Tool Open I.F.P. From 5:10 M. to 5:40 M. Hr. 30 Min. From (B) 9477 P.S.I. To (C) 95100 P.S.I.

Tool Closed I.C.I.P. From 5:40 M. to 6:25 M. Hr. 45 Min. (D) 1537 1534 P.S.I.

Tool Open F.F.P. From 6:25 M. to 7:25 M. 1 Hr. Min. From (E) 138153 P.S.I. To (F) 213209 P.S.I.

Tool Closed F.C.I.P. From 7:25 M. to 8:25 M. 1 Hr. Min. (G) 1516 1521 P.S.I.

Initial Hydrostatic Pressure (A) 2052 P.S.I. Final Hydrostatic Pressure (H) 2052 P.S.I. Maximum Temp. 122

INFORMATION

BLOW STRONG BLOW THRU-OUT TEST

GAS TO SURFACE IN 13 MINUTES

Did Well Flow Yes X No Recovery Total Ft. 6600 ft. - 345 ft. Clean Off

315 ft. HVX. FROGGY MUD-OUT EMULSION

3 1/2 GRAVITY

Reversed Out Yes X No Mud Type STARCH Viscosity 49 Weight 10.0 Water Loss 7 cc. Chlorides 39000

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint Jars: Size In. Make Ser. No.

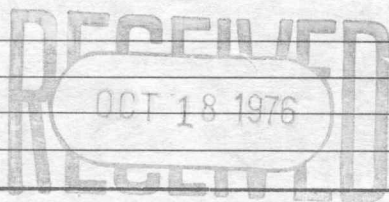
Dual Packers YES Did Packers Hold? YES Did Tool Plug? NO Where?

DRILLING CONTRACTOR SWEETMAN DRUG Length Drill Pipe 3473 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 F.H. In.

Length Weight Pipe ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 278 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 F.H. In. Length D.S.T. Tool 33 ft.

Remarks



INVOICE SECTION

Table with 2 columns: Item Name and Amount. Items include Open Hole Test (\$355), Straddle Test, Jars, Selective Zone, Safety Joint, Misrun, Evaluation, Packer, Circ. Sub., and Total (\$355).

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his Authorized Representative

Western Representative [Signature] Operator's Time THANK YOU Hrs.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No 582

Date 10-14-76 Ticket 22797 Company MCCOY PETI
Well Name and No. KOHMAN #1 Dst No. 1 Interval Tested 5271-5284
County KIOWAN State KS Sec. 8 Twp. 30 S Rg. 7 W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
Took OPEN 5:10 P.M. <u>1/2 Orifice plate</u>						
GAS TO SURFACE 13 MINUTES.						
5:25 PM	15 min	19.9"	water			27,300 CUFT. P.D.
5:30	20	28	"			33,200 "
5:35	25	30	"			34,300 "
5:40	30	28	"			33,200 "

SECOND FLOW						
Took OPEN 6:25 P.M.						
6:35	10	42"	water			40,700 "
6:45	20	26	"			31,900 "
6:55	30	20	"			28,000 "
7:05	40	12	"			21,900 "
7:15	50	16	"			25,100 "
7:25	60	12	"			21,900 "

GAS BOTTLE

Serial No. _____ Date Bottle Filled 10-14-76 Date to be Invoiced 10-14-76

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 plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% 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 MCCOY PETI

Authorized by G. Deane Grubbs

WESTERN TESTING CO., INC.

Pressure Data

Date 10-14-76

Test Ticket No. #22297

Recorder No. 2604

Capacity 4150

Location 3774

Clock No. 4763

Elevation 1486 Kelly Bushing

Well Temperature 122

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2059</u>	P.S.I.	<u>5:08 P.</u>	M
B First Initial Flow Pressure	<u>77</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mir
C First Final Flow Pressure	<u>160</u>	P.S.I.	<u>45</u>	Mins. <u>45</u> Mir
D Initial Closed-in Pressure	<u>1534</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mir
E Second Initial Flow Pressure	<u>153</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mir
F Second Final Flow Pressure	<u>209</u>	P.S.I.		
G Final Closed-in Pressure	<u>1521</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2000</u>	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>20</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>0</u>	<u>100</u>	<u>0</u>	<u>153</u>	<u>0</u>	<u>209</u>
P 2	<u>5</u>	<u>3</u>	<u>228</u>	<u>5</u>	<u>134</u>	<u>3</u>	<u>340</u>
P 3	<u>10</u>	<u>6</u>	<u>579</u>	<u>10</u>	<u>138</u>	<u>6</u>	<u>761</u>
P 4	<u>15</u>	<u>9</u>	<u>983</u>	<u>15</u>	<u>145</u>	<u>9</u>	<u>1025</u>
P 5	<u>20</u>	<u>12</u>	<u>1171</u>	<u>20</u>	<u>152</u>	<u>12</u>	<u>1161</u>
P 6	<u>25</u>	<u>15</u>	<u>1295</u>	<u>25</u>	<u>160</u>	<u>15</u>	<u>1257</u>
P 7	<u>30</u>	<u>18</u>	<u>1368</u>	<u>30</u>	<u>166</u>	<u>18</u>	<u>1314</u>
P 8	<u>35</u>	<u>21</u>	<u>1410</u>	<u>35</u>	<u>175</u>	<u>21</u>	<u>1357</u>
P 9	<u>40</u>	<u>24</u>	<u>1441</u>	<u>40</u>	<u>181</u>	<u>24</u>	<u>1393</u>
P10	<u>45</u>	<u>27</u>	<u>1465</u>	<u>45</u>	<u>190</u>	<u>27</u>	<u>1414</u>
P11	<u>50</u>	<u>30</u>	<u>1483</u>	<u>50</u>	<u>198</u>	<u>30</u>	<u>1435</u>
P12	<u>55</u>	<u>33</u>	<u>1498</u>	<u>55</u>	<u>206</u>	<u>33</u>	<u>1450</u>
P13	<u>60</u>	<u>36</u>	<u>1508</u>	<u>60</u>	<u>209</u>	<u>36</u>	<u>1461</u>
P14		<u>39</u>	<u>1519</u>	<u>65</u>		<u>39</u>	<u>1473</u>
P15		<u>42</u>	<u>1527</u>	<u>70</u>		<u>42</u>	<u>1483</u>
P16		<u>45</u>	<u>1534</u>	<u>75</u>		<u>45</u>	<u>1492</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>1500</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>1506</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>1511</u>
P20		<u>57</u>				<u>57</u>	<u>1516</u>
WTC - 4		<u>60</u>				<u>60</u>	<u>1521</u>



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company McCoy Petroleum Co. Lease & Well No. Kohman #1
Elevation 1486 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. #22297
Date 10-14-76 Sec. 8 Twp. 30S Range 7W County Kingman State Kansas
Test Approved by H. Deane Jirrels Western Representative Bill Hager

Formation Test No. 1 O.K. Misrun Interval Tested From 3771' to 3784' Total Depth 3784'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3766 Ft. Size 6 3/4 Bottom Packer Depth 3771 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 13 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3774 Ft. Clock No. 4763 Depth 3777 Ft. Clock No. 9712
Top Make Kuster Cap. 4150 No. 2604 Inside Bottom Make Kuster Cap. 4000 No. 3660 Inside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Inside

Time Set Packer 5:08 P M
Tool Open I.F.P. From 5:10P M. to 5:40P M. - Hr. 30 Min. From (B) 77 P.S.I. To (C) 100 P.S.I.
Tool Closed I.C.I.P. From 5:40P M. to 6:25P M. - Hr. 45 Min. (D) 1534 P.S.I.
Tool Open F.F.P. From 6:25P M. to 7:25P M. 1 Hr. - Min. From (E) 153 P.S.I. To (F) 209 P.S.I.
Tool Closed F.C.I.P. From 7:25P M. to 8:25P M. 1 Hr. - Min. (G) 1521 P.S.I.
Initial Hydrostatic Pressure (A) 2059 P.S.I. Final Hydrostatic Pressure (H) 2000 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 13 minutes.

Did Well Flow Yes No Recovery Total Fr. 660' total. 345' clean oil. 315' heavy froggy mud oil -
emulsion. 36 gravity.

Reversed Out Yes No Mud Type starch Viscosity 49 Weight 10.0 Water Loss 7 cc. Chlorides 39,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Jars: Size - In. Make - Ser. No. -

Dual Packer Did Packers Hold? Did Tool Plug? no Where? -

DRILLING CONTRACTOR Sweetman Drilling Length Drill Pipe? 3473 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 278 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 33 Ft.

Remarks:



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 10-14-76 Ticket #22297 Company McCoy Petroleum Co.
 Well Name and No. Kohman #1 Dst No. #1 Interval Tested 3771' to 3784'
 County Kingman State Kansas Sec. 8 Twp. 30S Rg. 7W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Tool open 5:10 p.m. Gas to surface in PRE FLOW 13 minutes. 1/2" Orifice						
5:25 pm	15 min.	19 inches	of water			27,300 C.F.P.D.
5:30 pm	20 min.	28 inches	of water			33,200 C.F.P.D.
5:35 pm	25 min.	30 inches	of water			24,300 C.F.P.D.
5:40 pm	30 min.	28 inches	of water			33,200 C.F.P.D.

Tool open at 6:25 p.m. SECOND FLOW						
Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
6:35 pm	10 min.	42 inches	of water			40,700 C.F.P.D.
6:45 pm	20 min.	26 inches	of water			31,900 C.F.P.D.
6:55 pm	30 min.	20 inches	of water			28,000 C.F.P.D.
7:05 pm	40 min.	12 inches	of water			21,900 C.F.P.D.
7:15 pm	50 min.	16 inches	of water			25,100 C.F.P.D.
7:25 pm	60 min.	12 inches	of water			21,900 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled 10-14-76 Date to be Invoiced 10-14-76

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 plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% 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 McCoy Petroleum Co.
 Authorized by H. Deane Jirrels

WESTERN TESTING CO., INC.
Pressure Data

Date 10-14-76 Test Ticket No. #22297
 Recorder No. 2604 Capacity 4150 Location 3774 Ft.
 Clock No. 4763 Elevation 1486 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2059</u> P.S.I.	Open Tool	<u>5:08 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>77</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>100</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1534</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>153</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>209</u> P.S.I.			
G Final Closed-in Pressure	<u>1521</u> P.S.I.			
H Final Hydrostatic Mud	<u>2000</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a 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>77</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>153</u>	<u>0</u>	<u>209</u>
P 2 <u>5</u>	<u>70</u>	<u>3</u>	<u>228</u>	<u>5</u>	<u>134</u>	<u>3</u>	<u>340</u>
P 3 <u>10</u>	<u>75</u>	<u>6</u>	<u>579</u>	<u>10</u>	<u>138</u>	<u>6</u>	<u>761</u>
P 4 <u>15</u>	<u>85</u>	<u>9</u>	<u>983</u>	<u>15</u>	<u>145</u>	<u>9</u>	<u>1025</u>
P 5 <u>20</u>	<u>92</u>	<u>12</u>	<u>1171</u>	<u>20</u>	<u>152</u>	<u>12</u>	<u>1161</u>
P 6 <u>25</u>	<u>100</u>	<u>15</u>	<u>1295</u>	<u>25</u>	<u>160</u>	<u>15</u>	<u>1251</u>
P 7 <u>30</u>	<u>100</u>	<u>18</u>	<u>1368</u>	<u>30</u>	<u>166</u>	<u>18</u>	<u>1314</u>
P 8 _____	_____	<u>21</u>	<u>1410</u>	<u>35</u>	<u>175</u>	<u>21</u>	<u>1357</u>
P 9 _____	_____	<u>24</u>	<u>1441</u>	<u>40</u>	<u>181</u>	<u>24</u>	<u>1393</u>
P10 _____	_____	<u>27</u>	<u>1465</u>	<u>45</u>	<u>190</u>	<u>27</u>	<u>1414</u>
P11 _____	_____	<u>30</u>	<u>1483</u>	<u>50</u>	<u>198</u>	<u>30</u>	<u>1435</u>
P12 _____	_____	<u>33</u>	<u>1498</u>	<u>55</u>	<u>206</u>	<u>33</u>	<u>1450</u>
P13 _____	_____	<u>36</u>	<u>1508</u>	<u>60</u>	<u>209</u>	<u>36</u>	<u>1461</u>
P14 _____	_____	<u>39</u>	<u>1519</u>	_____	_____	<u>39</u>	<u>1473</u>
P15 _____	_____	<u>42</u>	<u>1527</u>	_____	_____	<u>42</u>	<u>1483</u>
P16 _____	_____	<u>45</u>	<u>1534</u>	_____	_____	<u>45</u>	<u>1492</u>
P17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>1500</u>
P18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>1506</u>
P19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>1511</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>1516</u>
						<u>60</u>	<u>1521</u>



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 22298

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

Formation MISS Elevation 1486 KB Eff. Pay _____ Ft.

District PRATT Date 10-16-76 Customer Order No. _____

COMPANY NAME MC COY PETROLEUM CO.

ADDRESS 816 VICKERS - KSBAT BLDG. W10 HITA KS 67202

LEASE AND WELL NO. KOHMAN #1 COUNTY KINGMAN STATE KS Sec. 8 Twp 30 S Rge. 7 W

Mail Inv. To _____ Co. Name _____ Address _____ No. Copies Requested USUAL

Mail Charts To _____ Co. Name _____ Address _____ No. Copies Requested USUAL

Formation Test No. 2 O.K. Misrun Interval Tested From 4094 to 4117 Total Depth 4117

Size Main Hole 2 7/8 Rat Hole _____ Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 4089 Ft. Size 6 3/4 Bottom Packer Depth 4094 Ft. Size 6 3/4

Straddle _____ Conv. B.T. Damaged Yes No Packer Depth _____ Ft. Size _____

Tool Size 5/20 D Tool Joint Size 4 1/2 F.H. Anchor Length 23 Ft. Size 5/20 D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4107 Ft. Clock No. 4763 Depth 4110 Ft. Clock No. 9712

Top Make WATER Cap. 4150 No. 2604 3660 Inside Outside Bottom Make WATER Cap. 4000 No. 3660 Inside Outside

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Depth _____ Ft. Rec. No. _____ Clock No. _____ Inside Outside

Time Set Packer 4:54 4-M

Tool Open I.F.P. From 4:55 M. to 5:25 M. _____ Hr. 30 Min. From (B) 10 1 119 P.S.I. To (C) 111 140 P.S.I.

Tool Closed I.C.I.P. From 5:25 M. to 6:10 M. _____ Hr. 45 Min. (D) 1403 1912 P.S.I.

Tool Open F.F.P. From 6:10 M. to 7:10 M. 1 Hr. _____ Min. From (E) 10 1 113 P.S.I. To (F) 6063 P.S.I.

Tool Closed F.C.I.P. From 7:10 M. to 8:10 M. 1 Hr. _____ Min. (G) 1293 1305 P.S.I.

Initial Hydrostatic Pressure (A) 2159 2163 P.S.I. Final Hydrostatic Pressure (H) 2159 2125 P.S.I. Maximum Temp. 126

INFORMATION

BLOW STRONG BLOW THRU-OUT TEST

GAS TO SURFACE IN 5 MINUTES.

Did Well Flow Yes No Recovery Total Ft. 150 ft. 90 ft. GASSY MUD

60 ft. THIN GASSY MUD

Reversed Out Yes No Mud Type STARCH Viscosity 38 Weight 9.8 Water Loss 7.0 cc. Chlorides 38,000

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____

Dual Packers YES Did Packers Hold? YES Did Tool Plug? _____ Where? _____

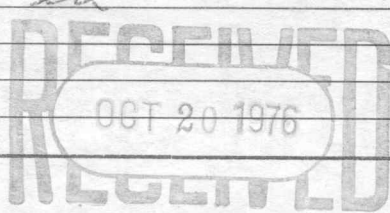
DRILLING CONTRACTOR SWEETMAN DRILLING Length Drill Pipe 3896 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 F.H. In.

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 278 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 F.H. In. Length D.S.T. Tool 43 ft.

Remarks clock stopped on F.S.I. in

recorder # 2604



INVOICE SECTION

Open Hole Test	\$ 390.00
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$ 390.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

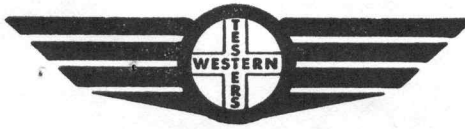
All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By A. Neane Jurek Western Representative Ed Dagen

Signature of Customer or his Authorized Representative

Operator's Time THANK YOU Hrs.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No 583

Date 10-16-76 Ticket 22298 Company McCoy PET. Co.
Well Name and No. KOHMAN # 1 Dst No. 2 Interval Tested 4074-4117
County KINGMAN State KS Sec. 8 Twp. 30 S Rg. 7 W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitor Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow	
TOOK OPEN 4:55 A.M.			PRE FLOW				<u>1 1/4" Orifice Plate</u>
GAS TO SURFACE IN 5 MINUTES							
<u>5:10 AM</u>	<u>15</u>	<u>40</u>	<u>" of wtr.</u>			<u>278,000 Cu. Ft. P. D.</u>	
<u>5:20 AM</u>	<u>25</u>	<u>40</u>				<u>278,000 " " "</u>	
<u>5:25</u>	<u>30</u>	<u>40</u>				<u>278,000 " " "</u>	
TOOK OPEN 6:10 A.M.			SECOND FLOW				
<u>6:20</u>	<u>10</u>	<u>54</u>				<u>323,000 Cu. Ft. P. D.</u>	
<u>6:30</u>	<u>20</u>	<u>40</u>				<u>278,000 " " "</u>	
<u>6:40</u>	<u>30</u>	<u>32</u>				<u>248,000 " " "</u>	
<u>6:50</u>	<u>40</u>	<u>28</u>				<u>233,000 " " "</u>	
<u>7:00</u>	<u>50</u>	<u>26</u>				<u>224,000 " " "</u>	
<u>7:10</u>	<u>60</u>	<u>26</u>				<u>224,000 " " "</u>	

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

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 plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% 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 McCoy Petroleum Co.
Authorized by H. Deane Sirrels

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 583

Date 10-16-76 Ticket 22278 Company MCCOY PET CO.
Well Name and No. KOLLMAN #1 Dst No. 2 Interval Tested 4074-4117
County KINGMAN State KS Sec. 8 Twp. 30S Rg. 7W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW <u>1 1/4" Orifice Plate</u>						
<u>TOOK OPEN 4:55 A.M.</u>						
<u>GAS TO SURFACE IN 5 MINUTES</u>						
<u>5:10 AM</u>	<u>15</u>	<u>40</u>				<u>278,000 Cu.F. P.D.</u>
<u>5:20 AM</u>	<u>25</u>	<u>40</u>				<u>278,000 " " "</u>
<u>5:25</u>	<u>30</u>	<u>40</u>				<u>278,000 " " "</u>

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
SECOND FLOW						
<u>TOOK OPEN 6:10 A.M.</u>						
<u>6:20</u>	<u>10</u>	<u>54</u>				<u>323,000 Cu.F. P.D.</u>
<u>6:30</u>	<u>20</u>	<u>40</u>				<u>278,000 " " "</u>
<u>6:40</u>	<u>30</u>	<u>32</u>				<u>248,000 " " "</u>
<u>6:50</u>	<u>40</u>	<u>28</u>				<u>233,000 " " "</u>
<u>7:00</u>	<u>50</u>	<u>26</u>				<u>224,000 " " "</u>
<u>7:10</u>	<u>60</u>	<u>26</u>				<u>224,000 " " "</u>

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

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 plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% 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 _____
Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 10-16-76 Test Ticket No. 22298
 Recorder No. 3660 Capacity 4000 Location 9110
 Clock No. 9712 Elevation 1486 Kelly Bushing Well Temperature 126

Point	Pressure	Open Tool	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2163</u> P.S.I.		<u>4:59 A.</u> M	
B. First Initial Flow Pressure	<u>119</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mir
C. First Final Flow Pressure	<u>140</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mir
D. Initial Closed-in Pressure	<u>1412</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mir
E. Second Initial Flow Pressure	<u>113</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mir
F. Second Final Flow Pressure	<u>63</u> P.S.I.			
G. Final Closed-in Pressure	<u>1305</u> P.S.I.			
H. Final Hydrostatic Mud	<u>2125</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>0</u>	<u>119</u>	<u>0</u>	<u>140</u>	<u>0</u>	<u>63</u>
P 2	<u>5</u>	<u>3</u>	<u>107</u>	<u>5</u>	<u>879</u>	<u>3</u>	<u>746</u>
P 3	<u>10</u>	<u>6</u>	<u>109</u>	<u>10</u>	<u>1086</u>	<u>6</u>	<u>897</u>
P 4	<u>15</u>	<u>9</u>	<u>111</u>	<u>15</u>	<u>1175</u>	<u>9</u>	<u>974</u>
P 5	<u>20</u>	<u>12</u>	<u>119</u>	<u>20</u>	<u>1231</u>	<u>12</u>	<u>1026</u>
P 6	<u>25</u>	<u>15</u>	<u>140</u>	<u>25</u>	<u>1267</u>	<u>15</u>	<u>1074</u>
P 7	<u>30</u>	<u>18</u>		<u>30</u>	<u>1293</u>	<u>18</u>	<u>1106</u>
P 8	<u>35</u>	<u>21</u>		<u>35</u>	<u>1317</u>	<u>21</u>	<u>1133</u>
P 9	<u>40</u>	<u>24</u>		<u>40</u>	<u>1335</u>	<u>24</u>	<u>1159</u>
P10	<u>45</u>	<u>27</u>		<u>45</u>	<u>1357</u>	<u>27</u>	<u>1179</u>
P11	<u>50</u>	<u>30</u>		<u>50</u>	<u>1363</u>	<u>30</u>	<u>1198</u>
P12	<u>55</u>	<u>33</u>		<u>55</u>	<u>1376</u>	<u>33</u>	<u>1211</u>
P13	<u>60</u>	<u>36</u>		<u>60</u>	<u>1384</u>	<u>36</u>	<u>1225</u>
P14		<u>39</u>		<u>65</u>	<u>1394</u>	<u>39</u>	<u>1239</u>
P15		<u>42</u>		<u>70</u>	<u>1404</u>	<u>42</u>	<u>1249</u>
P16		<u>45</u>		<u>75</u>	<u>1412</u>	<u>45</u>	<u>1261</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>1271</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>1281</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>1291</u>
P20		<u>57</u>				<u>57</u>	<u>1299</u>
		<u>60</u>				<u>60</u>	<u>1305</u>



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company McCoy Petroleum Co. Lease & Well No. Kohman #1
Elevation 1486 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. #22298
Date 10-16-76 Sec. 8 Twp. 30S Range 7W County Kingman State Kansas
Test Approved by H. Deane Jirrels Western Representative Bill Hager
Formation Test No. 2 O.K. Misrun Interval Tested From 4094' to 4117' Total Depth 4117'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4089 Ft. Size 6 3/4 Bottom Packer Depth 4094 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 23 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4107 Ft. Clock No. 4763 Depth 4110 Ft. Clock No. 9712
Top Make Kuster Cap. 4150 No. 2604 ^{Inside} ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ^{Inside} ~~Outside~~
Below Straddle: Depth Rec. No. Clock No. ^{Inside} ~~Outside~~ Depth Ft. Rec. No. Clock No. ^{Inside} ~~Outside~~
Time Set Packer 4:54 A M
Tool Open I.F.P. From 4:55A M. to 5:25A M. - Hr. 30 Min. From (B) 119 P.S.I. To (C) 140 P.S.I.
Tool Closed I.C.I.P. From 5:25A M. to 6:10A M. - Hr. 45 Min (D) 1412 P.S.I.
Tool Open F.F.P. From 6:10A M. to 7:10A M. 1 Hr. - Min. From (E) 113 P.S.I. To (F) 63 P.S.I.
Tool Closed F.C.I.P. From 7:10A M. to 8:10A M. 1 Hr. - Min. (G) 1305 P.S.I.
Initial Hydrostatic Pressure (A) 2163 P.S.I. Final Hydrostatic Pressure (H) 2125 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 5 minutes.
Did Well Flow Yes No Recovery Total Ft. 150' total. 90' gassy mud. 60' thin gassy mud.
Reversed Out Yes No Mud Type starch Viscosity 38 Weight 9.8 Water Loss 7.0 cc. Chlorides 38,000 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Jars: Size In. Make Ser. No.
Dual Packer yes Did Packers Hold? yes Did Tool Plug? Where?
DRILLING CONTRACTOR Sweetman Drilling Length Drill Pipe? 3896 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 278 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 43 Ft.

Remarks:

Clock stopped on F.S.I. in recorder #2604. Read outside recorder.



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 10-16-76 Ticket #22298 Company McCoy Petroleum Co.
Well Name and No. Kohman #1 Dst No. #2 Interval Tested 4094' to 4117'
County Kingman State Kansas Sec. 8 Twp. 30S Rg. 7W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitor Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Tool open 4:55 a.m. Gas to surface in PRE FLOW 5 minutes. 1 1/4" Orifice						
5:10 am	15 min.	40 inches	of water			278,000 C.F.P.D.
5:20 am	25 min.	40 inches	of water			278,000 C.F.P.D.
5:25 am	30 min.	40 inches	of water			278,000 C.F.P.D.

Tool open 6:10 a.m. SECOND FLOW						
6:20 am	10 min.	54 inches	of water			323,000 C.F.P.D.
6:30 am	20 min.	40 inches	of water			278,000 C.F.P.D.
6:40 am	30 min.	32 inches	of water			248,000 C.F.P.D.
6:50 am	40 min.	28 inches	of water			233,000 C.F.P.D.
7:00 am	50 min.	26 inches	of water			224,000 C.F.P.D.
7:10 am	60 min.	26 inches	of water			224,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled 10-16-76 Date to be Invoiced 10-16-76

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 plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% 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 McCoy Petroleum Co.

Authorized by H. Deane Jirrels

WESTERN TESTING CO., INC.

Pressure Data

Date 10-16-76 Test Ticket No. #22298
 Recorder No. 3660 Capacity 4000 Location 4110 Ft.
 Clock No. 9712 Elevation 1486 Kelly Bushing Well Temperature 126 °F

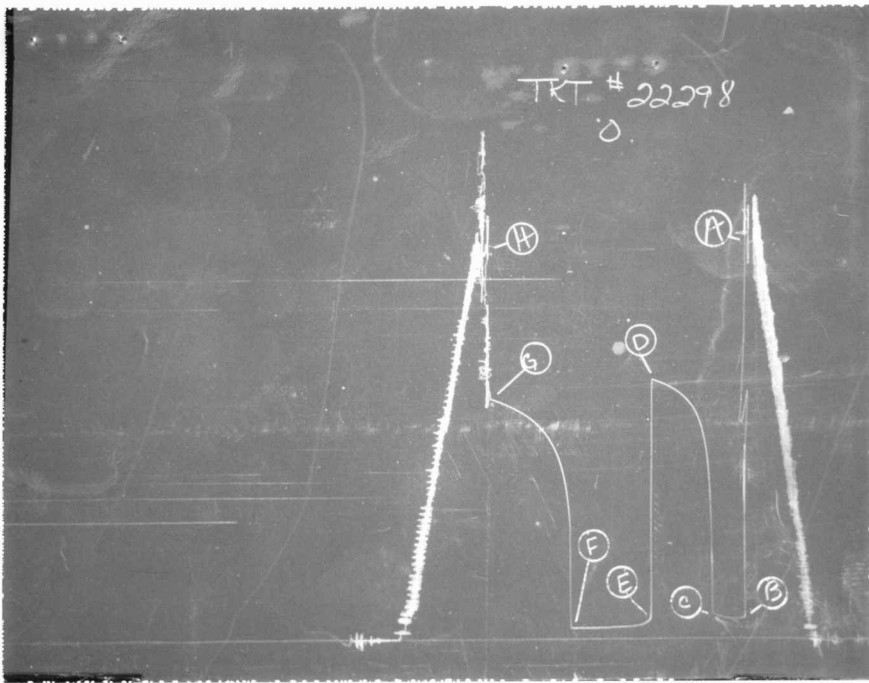
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2163</u> P.S.I.	Open Tool	<u>4:54A</u>	<u>M</u>
B First Initial Flow Pressure	<u>119</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>140</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1412</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>113</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>63</u> P.S.I.			
G Final Closed-in Pressure	<u>1305</u> P.S.I.			
H Final Hydrostatic Mud	<u>2125</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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	119	0	140	0	113	0	63
P 2 5	107	3	879	5	85	3	746
P 3 10	109	6	1086	10	73	6	897
P 4 15	111	9	1175	15	69	9	974
P 5 20	119	12	1231	20	67	12	1026
P 6 25	140	15	1267	25	67	15	1074
P 7		18	1293	30	65	18	1106
P 8		21	1317	35	65	21	1133
P 9		24	1335	40	63	24	1159
P10		27	1351	45	63	27	1179
P11		30	1363	50	63	30	1198
P12		33	1376	55	63	33	1211
P13		36	1384	60	63	36	1225
P14		39	1394			39	1239
P15		42	1404			42	1249
P16		45	1412			45	1261
P17						48	1271
P18						51	1281
P19						54	1291
P20						57	1299
						60	1305

TRT # 22298

0





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 22299

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

Formation MISS Elevation Eff. Pay Ft.

District PRATT Date 10-16-76 Customer Order No.

COMPANY NAME MCCOY PETROLEUM CO.

ADDRESS 816 VICKERS KST+B BLDG, WICHITA, KS 67202

LEASE AND WELL NO. KOLMAN #1 COUNTY KINGMAN STATE KS Sec 8 Twp 30S Rge 2W

Mail Inv. To Co. Name SAME Address No. Copies Requested USUAL

Mail Charts To Co. Name SAME Address No. Copies Requested USUAL

Formation Test No. 3 O.K. X Misrun Interval Tested From 4124 to 4160 Total Depth 4124

Size Main Hole 7 7/8 Rat Hole Conv. X B.T. Damaged Yes No Conv. B.T. X Damaged Yes No

Top Packer Depth 4119 Ft. Size 6 3/4 Bottom Packer Depth 4124 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5/8 O.D. Tool Joint Size 4 1/2 F.H. Anchor Length 36 Ft. Size 5/8 O.D. Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4150 Ft. Clock No. 9712 Depth 4153 Ft. Clock No. 4763

Top Make KUSTER Cap. 4150 No. 2604 Inside Outside Bottom Make KUSTER Cap. 4000 No. 3660 Inside Outside

Below Straddle: Depth Rec. No. Clock No. Outside Depth Ft. Rec. No. Clock No. Outside

Time Set Packer 10103 P.M.

Tool Open I.F.P. From 10:05 M. to 10:35 M. Hr. 30 Min. From (B) 74113 P.S.I. To (C) 9599 P.S.I.

Tool Closed I.C.I.P. From 10:35 M. to 11:20 M. Hr. 45 Min. (D) 1527 1530 P.S.I.

Tool Open F.F.P. From 11:20 M. to 12:20 M. 1 Hr. Min. From (E) 95128 P.S.I. To (F) 14915 P.S.I.

Tool Closed F.C.I.P. From 12:20 M. to 1:20 M. 1 Hr. Min. (G) 1498 1506 P.S.I.

Initial Hydrostatic Pressure (A) 2210 2209 Final Hydrostatic Pressure (H) 2210 P.S.I. Maximum Temp. 126

INFORMATION

BLOW STRONG BLOW THRU-OUT TEST

Did Well Flow Yes X No Recovery Total Fr. 470 ft. 60 ft. Clean Oil

410 ft. Frothy Oil

Reversed Out Yes X No Mud Type STARCH Viscosity 49 Weight 717 Water Loss 1.6 cc. Chlorides 48,000

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint Jars: Size In. Make Ser. No.

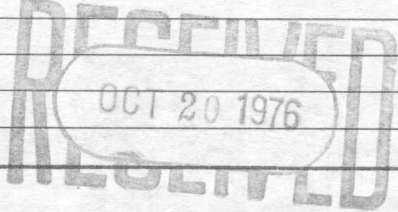
Dual Packers Did Packers Hold? YES Did Tool Plug? NO Where?

DRILLING CONTRACTOR SWEETMAN DRILLING Length Drill Pipe 3826 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 278 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 #99 In. Length D.S.T. Tool 56 ft.

Remarks



INVOICE SECTION

Table with 2 columns: Item and Amount. Items include Open Hole Test (\$390), Straddle Test, Jars, Selective Zone, Safety Joint, Misrun, Evaluation, Packer, Circ. Sub., Total (\$390.00).

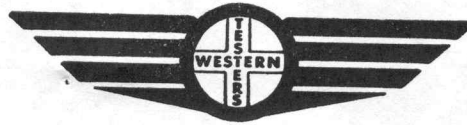
COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Western Representative [Signature]

Signature of Customer or his Authorized Representative

Operator's Time THANK YOU Hrs.



GAS FLOW REPORT

Nº 584

Date 10-16-76 Ticket 22299 Company McCoy Petroleum
Well Name and No. KOHMAN #1 Dst No. 3 Interval Tested 4/24-4/60
County KINGMAN State KS Sec. 8 Twp. 30 S Rg. 7 W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow	
PRE FLOW							
Took OPEN 10:05 P.M. $\frac{3}{4}$ " Orifice Pitot							
GAS TO SURFACE 5 MIN.							
10:15	10	36				85,200	
10:25	20	38				85,200	CFT. P.D.
10:35	30	34				87,500	" " "
						82,800	" " "
SECOND FLOW							
Took OPEN 11:20							
11:30	10	28				75,100	
11:40	20	20				63,500	CFT. P.D.
11:50	30	18				60,200	" "
12:00	40	16				56,800	" "
12:10	50	14				53,200	" "
12:20	60	14				53,200	" "

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

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 plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% 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 McCoy Petroleum Co
Authorized by A. Deane Jirrels

WESTERN TESTING CO., INC.
Pressure Data

Date 10-16-76 Test Ticket No. 22299
 Recorder No. 2604 Capacity 4150 Location 4150
 Clock No. 9712 Elevation _____ Well Temperature 126

Point	Pressure	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2209</u> P.S.I.	<u>10:03 P.</u> M	
B. First Initial Flow Pressure	<u>113</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mi
C. First Final Flow Pressure	<u>94</u> P.S.I.	<u>45</u> Mins.	<u>42</u> Mi
D. Initial Closed-in Pressure	<u>1530</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mi
E. Second Initial Flow Pressure	<u>128</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mi
F. Second Final Flow Pressure	<u>155</u> P.S.I.		
G. Final Closed-in Pressure	<u>1506</u> P.S.I.		
H. Final Hydrostatic Mud	<u>2209</u> P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Point Minutes	Initial Shut-In	Point Minutes	Second Flow Pressure	Point Minutes	Final Shut-In
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>14</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.		Press.		Press.		Press.
P 1	<u>113</u>	0	<u>94</u>	0	<u>128</u>	0	<u>155</u>
P 2	<u>85</u>	3	<u>586</u>	3	<u>92</u>	3	<u>927</u>
P 3	<u>80</u>	6	<u>1155</u>	6	<u>98</u>	6	<u>899</u>
P 4	<u>77</u>	9	<u>1364</u>	9	<u>104</u>	9	<u>1165</u>
P 5	<u>83</u>	12	<u>1431</u>	12	<u>111</u>	12	<u>1305</u>
P 6	<u>92</u>	15	<u>1458</u>	15	<u>117</u>	15	<u>1362</u>
P 7	<u>94</u>	18	<u>1477</u>	18	<u>124</u>	18	<u>1395</u>
P 8		21	<u>1487</u>	21	<u>130</u>	21	<u>1418</u>
P 9		24	<u>1498</u>	24	<u>136</u>	24	<u>1433</u>
P10		27	<u>1506</u>	27	<u>143</u>	27	<u>1448</u>
P11		30	<u>1511</u>	30	<u>149</u>	30	<u>1458</u>
P12		33	<u>1517</u>	33	<u>153</u>	33	<u>1466</u>
P13		36	<u>1523</u>	36	<u>155</u>	36	<u>1475</u>
P14		39	<u>1527</u>	39		39	<u>1481</u>
P15		42	<u>1530</u>	42		42	<u>1485</u>
P16		45		45		45	<u>1492</u>
P17		48		48		48	<u>1496</u>
P18		51		51		51	<u>1500</u>
P19		54		54		54	<u>1502</u>
P20		57		57		57	<u>1504</u>
		60		60		60	<u>1506</u>



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company McCoy Petroleum Co. Lease & Well No. Kohman #1
 Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. #22299
 Date 10-16-76 Sec. 8 Twp. 30S Range 7W County Kingman State Kansas
 Test Approved by H. Deane Jirrels Western Representative Bill Hager

Formation Test No. 3 O.K. Misrun Interval Tested From 4124' to 4160' Total Depth 4124'
 Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 4119 Ft. Size 6 3/4 Bottom Packer Depth 4124 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 36 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4150 Ft. Clock No. 9712 Depth 4153 Ft. Clock No. 4763
 Top Make Kuster Cap. 4150 No. 2604 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 10:03 P M
 Tool Open I.F.P. From 10:05P M. to 10:35P M. - Hr. 30 Min. From (B) 113 P.S.I. To (C) 94 P.S.I.
 Tool Closed I.C.I.P. From 10:35P M. to 11:20M - Hr. 45 Min (D) 1530 P.S.I.
 Tool Open F.F.P. From 11:20P M. to 12:20AM 1 Hr. - Min. From (E) 128 P.S.I. To (F) 155 P.S.I.
 Tool Closed F.C.I.P. From 12:20M to 1:20P M. 1 Hr. - Min. (G) 1506 P.S.I.
 Initial Hydrostatic Pressure (A) 2209 P.S.I. Final Hydrostatic Pressure (H) 2209 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 470' total. 60' clean oil. 410' froggy oil.

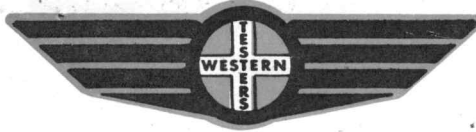
Reversed Out Yes No Mud Type starch Viscosity 49 Weight 9.7 Water Loss 11.6 cc. Chlorides 48,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Jars: Size - In. Make - Ser. No. -

Dual Packer Did Packers Hold? Did Tool Plug? NO Where? -

DRILLING CONTRACTOR Sweetman Drilling Length Drill Pipe? 3826 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
 Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 278 Ft. I.D. Drill Collars 2 1/4 In.
 Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 56 Ft.

Remarks:



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 10-16-76 Ticket #22299 Company McCoy Petroleum Co.
Well Name and No. Kohman #1 Dst No. #3 Interval Tested 4124' to 4160'
County Kingman State Kansas Sec. 8 Twp. 30S Rg. 7W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Tool open 10:05 p.m. Gas to surface in PRE FLOW 5 minutes. 3/4" Orifice						
10:15 pm	10 min.	36 inches	of water			85,200 C.F.P.D.
10:25 pm	20 min.	38 inches	of water			87,500 C.F.P.D.
10:35 pm	30 min.	34 inches	of water			82,800 C.F.P.D.

Tool open 11:20 p.m. SECOND FLOW						
11:30 pm	10 min.	28 inches	of water			75,100 C.F.P.D.
11:40 pm	20 min.	20 inches	of water			63,500 C.F.P.D.
11:50 pm	30 min.	18 inches	of water			60,200 C.F.P.D.
12:00 am	40 min.	16 inches	of water			56,800 C.F.P.D.
12:10 am	50 min.	14 inches	of water			53,200 C.F.P.D.
12:20 am	60 min.	14 inches	of water			53,200 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled 10-16-76 Date to be Invoiced 10-16-76

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 plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% 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 McCoy Petroleum Co.

Authorized by H. Deane Jirrels

WESTERN TESTING CO., INC.

Pressure Data

Date 10-16-76

Test Ticket No. #22299

Recorder No. 2604

Capacity 4150

Location 4150 Ft.

Clock No. 9712

Elevation -

Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2209	P.S.I.	10:03P	M
B First Initial Flow Pressure	113	P.S.I.	30	Mins. 30
C First Final Flow Pressure	94	P.S.I.	45	Mins. 42
D Initial Closed-in Pressure	1530	P.S.I.	60	Mins. 60
E Second Initial Flow Pressure	128	P.S.I.	60	Mins. 60
F Second Final Flow Pressure	155	P.S.I.		
G Final Closed-in Pressure	1506	P.S.I.		
H Final Hydrostatic Mud	2209	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 14 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure

Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In

Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	113	0	94	0	128	0	155
P 2 5	85	3	586	5	92	3	427
P 3 10	80	6	1155	10	98	6	899
P 4 15	77	9	1364	15	104	9	1165
P 5 20	83	12	1431	20	111	12	1305
P 6 25	92	15	1458	25	117	15	1362
P 7 30	94	18	1477	30	124	18	1395
P 8		21	1487	35	130	21	1418
P 9		24	1498	40	136	24	1433
P 10		27	1506	45	143	27	1448
P 11		30	1511	50	149	30	1458
P 12		33	1517	55	153	33	1466
P 13		36	1523	60	155	36	1475
P 14		39	1527			39	1481
P 15		42	1530			42	1485
P 16						45	1492
P 17						48	1496
P 18						51	1500
P 19						54	1502
P 20						57	1504
						60	1506

TRT # 22299
I

