



WESTERN TESTING CO., Inc.  
P. O. Box 1599  
WICHITA, KANSAS

DATE 12/2/79

Well Report No. 4347  
Unit No.  
District

FOR CUSTOMER'S USE ONLY

Register No.	Voucher No.
Terms Approved	Price Approved
Calculations Checked	
Adjustments	
Accounting Distribution	
Audited	Final Approval

CHARGE TO

Mull Drilling Company, Inc.  
221 N. Main, Suite 300  
Wichita, Kansas 67202

Your Order No.	Owner	Contractor	Audited	Final Approval
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Well No.	Farm	County	Sec.	Twp.	Range
#1	Wheelock "A"	Barber	34	31S	12W

One drill stem test from 4231' to 4277' (Test 1) \$ 550.00

**POSTED**

Discount \$ 5.50	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 4347
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER		

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 4347

P. O. BOX 1599 WICHITA, KANSAS 67201 PHONE (316) 838-0601

Elevation \_\_\_\_\_ Formation Miss Eff. Pay \_\_\_\_\_ Ft.

District Pratt Date 12/2/79 Customer Order No. \_\_\_\_\_

COMPANY NAME Mull Drlg Co Inc.

ADDRESS Main 221 Suite 300 Wichita, Ks 67202

LEASE AND WELL NO. Wheelock #1-A COUNTY Barber STATE Ks Sec. 34 Twp 35 Rge. 12 W

Mail Invoice To Same Co. Name Address No. Copies Requested 5

Mail Charts To Same Co. Name Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 4231 ft. to 4277 ft. Total Depth 4277 ft.

Packer Depth 4226 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4231 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4234 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4237 ft. Recorder Number 3351 Cap. 4000

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Blue Goose Drlg Rig #1 Drill Collar Length 213 I. D. 2 1/2 in.

Mud Type Drispac Viscosity 49 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Weight 9.1 Water Loss 1210 cc. Drill Pipe Length 3997 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 21 ft. Tool Size 5500 in.

Jars: Make \_\_\_\_\_ Serial Number \_\_\_\_\_ Anchor Length 46 ft. Size 5500 in.

Did Well Flow? Yes 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 5/8 in.

Blow: Strong blow throughout flow periods Gas to surface in 8 min on preflow

Recovered 70 ft. of Gas Cut Mud

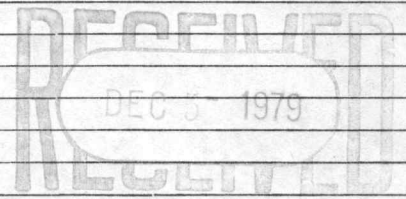
Recovered 60 ft. of Gas Cut Thin Mud

Recovered 60 ft. of Gas Cut Watery Mud

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_



Time Set Packer(s) 12:10 AM. P.M. Time Started Off Bottom 3:25 AM. P.M. Maximum Temperature 119.2

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2099 P.S.I.

Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 105 P.S.I. to (C) 126 P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes 45 (D) 1311 P.S.I.

Final Flow Period \_\_\_\_\_ Minutes 60 (E) 116 P.S.I. to (F) 116 P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes 60 (G) 1300 P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ (H) 2078 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Roger L. Martin Signature of Customer or his authorized representative

Western Representative Jim Wondra

FIELD INVOICE

Open Hole Test \$ 550.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage \$

Fluid Sampler \$

Extra Charts \$

TOTAL \$ 550.00



**GAS FLOW REPORT**

**No 1877**

Date 12/2/79 Ticket #4347 Company Mull Drlg Co  
 Well Name and No. Wheelock #1-A Dst No. 1 Interval Tested 4231-4277  
 County Barber State Ks Sec. 34 Twp. 31 Rg. 12

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
<b>PRE FLOW</b>					
Gas to surface in 8 min					
12	32 H <sub>2</sub> O	1"			146,000 C.F.P.D
16	42 "	"			167,000 " " "
26	52 "	"			186,000 " " "

<b>SECOND FLOW</b>					
5	48 H <sub>2</sub> O	1 1/4"			304,000 C.F.P.D
10	44 "	"			296,000 " " "
20	44 "	"			" " " " "
30	40 "	"			278,000 " " "
40	"	"			" " " " "
50	"	"			" " " " "
60	"	"			" " " " "

**GAS BOTTLE**

Serial No. 625 Date Bottle Filled 12/2/79 Date to be Invoiced \_\_\_\_\_

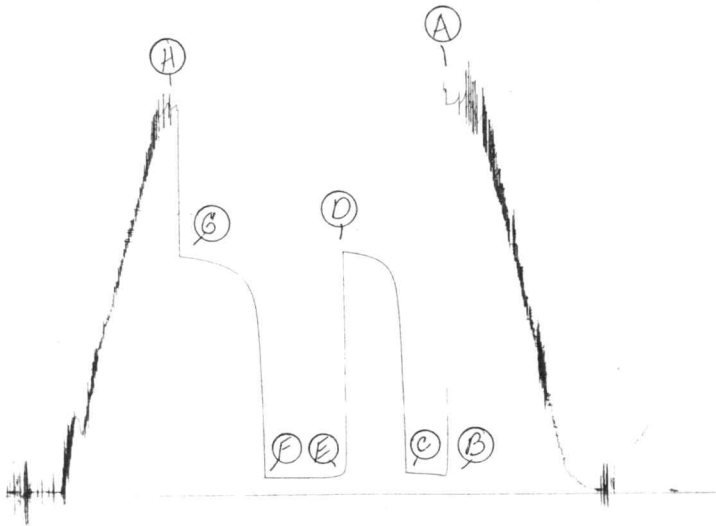
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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 Mull Drlg Co.  
 Authorized by Roger L. Martin



744 # 4347  
I



Company Mull Drilling Company, Inc. Lease & Well No. Wheelock "A" #1  
 Elevation --- Formation Mississippi Effective Pay ---- Ft. Ticket No. 4347  
 Date 12/2/79 Sec. 34 Twp. 31S Range 12W County Barber State Kansas  
 Test Approved by Roger L. Martin Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4231 ft. to 4277 ft. Total Depth 4277 ft.  
 Packer Depth 4226 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4231 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4234 ft. Recorder Number 2607 Cap. 4150  
 Bottom Recorder Depth (Outside) 4237 ft. Recorder Number 3351 Cap. 4000  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Blue Goose Drilling Rig #1 Drill Collar Length 213 I. D. 2 1/4 in.  
 Mud Type drispac Viscosity 49 Weight Pipe Length - I. D. - in.  
 Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 3997 I. D. 3.8 in.  
 Chlorides 20,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.  
 Jars: Make -- Serial Number -- Anchor Length 46 ft. Size 5 1/2 OD in.  
 Did Well Flow? Yes 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 flow periods. Gas to surface in eight minutes on pre-flow.  
See attached sheet for gas measurements.

Recovered 70 ft. of gas cut mud  
 Recovered 60 ft. of gas cut thin mud  
 Recovered 60 ft. of gas cut watery mud  
 Recovered ft. of  
 Recovered ft. of

Remarks:

Time Set Packer(s) 12:10 ~~A.M.~~ P.M. Time Started Off Bottom 3:25 ~~A.M.~~ P.M. Maximum Temperature 119<sup>0</sup>  
 Initial Hydrostatic Pressure ..... (A) 2101 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 104 P.S.I. to (C) 118 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 1318 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 116 P.S.I. to (F) 92 P.S.I.  
 Final Closed In Period ..... Minutes 63 (G) 1291 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2086 P.S.I.

## GAS FLOW REPORT

Date 12/2/79 Ticket 4347 Company Mull Drilling Company  
 Well Name and No. Wheelock "A" #1 Dst No. 1 Interval Tested 4231'-4277'  
 County Barber State Kansas Sec. 34 Twp. 31S Rg. 12W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria 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
<b>PRE FLOW</b>						
	Gas to surface in eight minutes.					
	12 min.	32" of water	1" orifice			146,000 CFPD
	16 min.	42" of water	1" orifice			167,000 CFPD
	26 min.	52" of water	1" orifice			186,000 CFPD

<b>SECOND FLOW</b>						
	5 min.	48" of water	1 1/4" orifice			304,000 CFPD
	10 min.	44" of water	1 1/4" orifice			291,000 CFPD
	20 min.	44" of water	1 1/4" orifice			291,000 CFPD
	30 min.	40" of water	1 1/4" orifice			278,000 CFPD
	40 min.	40" of water	1 1/4" orifice			278,000 CFPD
	50 min.	40" of water	1 1/4" orifice			278,000 CFPD
	60 min.	40" of water	1 1/4" orifice			278,000 CFPD

### GAS BOTTLE

Serial No. 625 Date Bottle Filled 12/2/79 Date to be Invoiced 12/2/79

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 1/2% 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 Mull Drilling Company  
 Authorized by Roger L. Martin

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 12/2/79 Test Ticket No. 4347  
 Recorder No. 2607 Capacity 4150 Location 4234 Ft.  
 Clock No. --- Elevation ---- Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2101 P.S.I.	Open Tool	12:10P	M
B. First Initial Flow Pressure	104 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C. First Final Flow Pressure	118 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D. Initial Closed-in Pressure	1318 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E. Second Initial Flow Pressure	116 P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F. Second Final Flow Pressure	92 P.S.I.			
G. Final Closed-in Pressure	1291 P.S.I.			
H. Final Hydrostatic Mud	2086 P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.		of <u>5</u> mins. and a final inc. of <u>0</u> Min.		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	0	104	0	118	0	116	0	92
P 2	5	108	3	504	5	104	3	585
P 3	10	111	6	864	10	95	6	852
P 4	15	113	9	1107	15	92	9	1027
P 5	20	114	12	1186	20	92	12	1096
P 6	25	116	15	1222	25	92	15	1140
P 7	30	118	18	1245	30	92	18	1171
P 8			21	1263	35	92	21	1192
P 9			24	1276	40	92	24	1207
P10			27	1284	45	92	27	1222
P11			30	1291	50	92	30	1231
P12			33	1297	55	92	33	1239
P13			36	1303	60	92	36	1247
P14			39	1309			39	1255
P15			42	1313			42	1262
P16			45	1318			45	1270
P17							48	1274
P18							51	1278
P19							54	1282
P20							57	1285
							60	1288
							63	1291



WESTERN TESTING CO., Inc.

P. O. Box 1599

WICHITA, KANSAS

67201

DATE 12/3/79

Mull Drilling Company, Inc.

221 N. Main, Suite 300

Wichita, Kansas 67202

CHARGE TO

Well Report No.

4348

Unit No.

District

FOR CUSTOMER'S USE ONLY

Register No.

Voucher No.

Terms Approved

Price Approved

Calculations Checked

Adjustments

Accounting Distribution

Your Order No.

Owner

Contractor

Audited

Final Approval

Well No.

Farm

County

Sec.

Twp.

Range

#1

Wheelock "A"

Barber

34

31S

12W

One drill stem test from 4277' to 4300'

(Test 2)

\$ 550.00

POSTED

Discount \$ 5.50	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 4348
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER		

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 4348

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation \_\_\_\_\_ Formation Miss Eff. Pay \_\_\_\_\_ Ft.

District Pratt Date 12/3/79 Customer Order No. \_\_\_\_\_

COMPANY NAME Mull Drlg Co. Inc.

ADDRESS Main 221 Suite 300 Wichita, Ks 67202

LEASE AND WELL NO. Wheelock #1-A COUNTY Barber STATE Ks Sec. 34 Twp 31S Rge 12W

Mail Invoice To Same Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

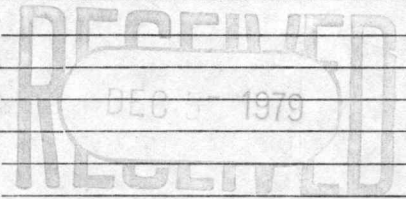
Formation Test No. 2 Interval Tested from 4277 ft. to 4300 ft. Total Depth 4300 ft. Packer Depth 4272 ft. Size 6 3/4 in. Packer Depth - ft. Size - in. Packer Depth 4277 ft. Size 6 3/4 in. Packer Depth - ft. Size - in. Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4290 ft. Recorder Number 2607 Cap. 4150 Bottom Recorder Depth (Outside) 4293 ft. Recorder Number 3351 Cap. 4800 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Blue Goose Drlg Rig #1 Drill Collar Length 243 I. D. 2 1/2 in. Mud Type Drispac Viscosity 49 Weight Pipe Length - I. D. - in. Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 4013 I. D. 3.8 in. Chlorides 20,000 P.P.M. Test Tool Length 21 ft. Tool Size 5200 in. Jars: Make - Serial Number - Anchor Length 23 ft. Size 5200 in. Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in. Main Hole Size 7 1/2 in. Tool Joint Size 4 1/2 FH in.

Blow: Fair increased to strong on first flow period Strong blow throughout second flow period

Recovered 50 ft. of Drlg Mud (Specks of oil) Recovered \_\_\_\_\_ ft. of Recovered \_\_\_\_\_ ft. of Recovered \_\_\_\_\_ ft. of Recovered \_\_\_\_\_ ft. of Recovered \_\_\_\_\_ ft. of Remarks: \_\_\_\_\_



Time Set Packer(s) 4:30 A.M. Time Started Off Bottom 7:45 A.M. Maximum Temperature 120° P.M. Initial Hydrostatic Pressure (A) 2168 P.S.I. Initial Flow Period (B) 30 Minutes (C) 73 P.S.I. Initial Closed In Period (D) 45 Minutes (E) 222 P.S.I. Final Flow Period (F) 60 Minutes (G) 73 P.S.I. Final Closed In Period (H) 60 Minutes (I) 285 P.S.I. Final Hydrostatic Pressure (J) 2141 P.S.I.

COMPANY TERMS

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Test Approved By [Signature] Signature of Customer or his authorized representative Western Representative Jim Wondra Thank You

FIELD INVOICE

Open Hole Test \$ 1550.00 Misrun \$ Straddle Test \$ Jars \$ Selective Zone \$ Safety Joint \$ Standby \$ Evaluation \$ Extra Packer \$ Circ. Sub. \$ Mileage \$ Fluid Sampler \$ Extra Charts \$ TOTAL \$ 550.00

WESTERN TESTING CO., INC.

Pressure Data

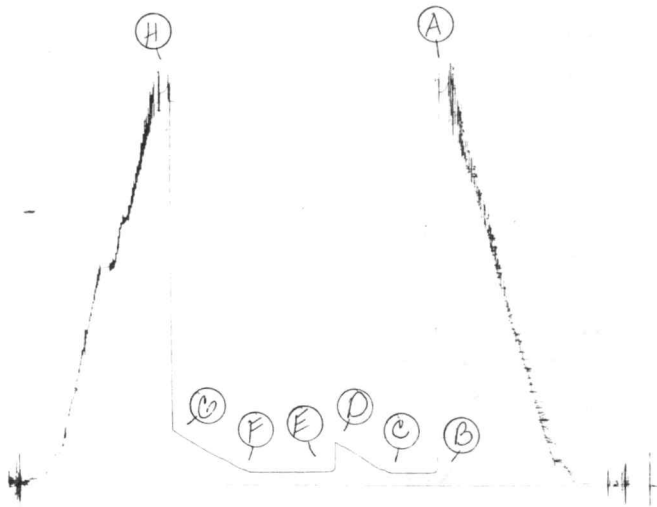
Date 12-3-79 Test Ticket No. 4348  
 Recorder No. 2607 Capacity 4150 Location 4290 Ft.  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2171</u>	P.S.I.	<u>4:30 AM</u>	
B First Initial Flow Pressure	<u>74</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>65</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>231</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>74</u>	P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>72</u>	P.S.I.		
G Final Closed-in Pressure	<u>299</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2112</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>19</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>74</u>	0	<u>65</u>	0	<u>74</u>	0	<u>72</u>
P 2	<u>68</u>	3	<u>68</u>	5	<u>72</u>	3	<u>78</u>
P 3	<u>65</u>	6	<u>74</u>	10	<u>72</u>	6	<u>87</u>
P 4		9	<u>84</u>	15	<u>72</u>	9	<u>99</u>
P 5		12	<u>90</u>	20	<u>72</u>	12	<u>112</u>
P 6		15	<u>101</u>	25		15	<u>125</u>
P 7	<u>65</u>	18	<u>114</u>	30		18	<u>135</u>
P 8		21	<u>127</u>	35		21	<u>142</u>
P 9		24	<u>142</u>	40		24	<u>152</u>
P10		27	<u>157</u>	45		27	<u>163</u>
P11		30	<u>171</u>	50		30	<u>175</u>
P12		33	<u>182</u>	55		33	<u>182</u>
P13		36	<u>197</u>	60	<u>72</u>	36	<u>197</u>
P14		39	<u>212</u>	65		39	<u>212</u>
P15		42	<u>220</u>	70		42	<u>224</u>
P16		45	<u>231</u>	75		45	<u>241</u>
P17		48		80		48	<u>254</u>
P18		51		85		51	<u>271</u>
P19		54		90		54	<u>286</u>
P20		57				57	<u>299</u>
		60				60	

TKL #4348  
I



9  
2

Company Mull Drilling Company, Inc. Lease & Well No. Wheelock "A"#1  
 Elevation -- Formation Mississippi Effective Pay ---- Ft. Ticket No. 4348  
 Date 12/3/79 Sec. 34 Twp. 31S Range 12W County Barber State Kansas  
 Test Approved by Roger L. Martin Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 4277 ft. to 4300 ft. Total Depth 4300 ft.  
 Packer Depth 4272 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4277 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4290 ft. Recorder Number 2607 Cap. 4150  
 Bottom Recorder Depth (Outside) 4293 ft. Recorder Number 3351 Cap. 4000  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Blue Goose Drilling Rig #1 Drill Collar Length 243 I. D. 2 1/4 in.  
 Mud Type drispac Viscosity 49 Weight Pipe Length - I. D. - in.  
 Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 4013 I. D. 3.8 in.  
 Chlorides 20,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.  
 Jars: Make -- Serial Number -- Anchor Length 23 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: Fair increased to strong on first flow period. Strong blow th roughout second flow period.

Recovered 50 ft. of drilling mud (specks of oil)  
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of     

Remarks:     

Time Set Packer(s) 4:30 A.M. Time Started Off Bottom 7:45 A.M. Maximum Temperature 120<sup>0</sup>  
P.M. P.M.  
 Initial Hydrostatic Pressure 2171 P.S.I. (A)  
 Initial Flow Period 30 Minutes (B) 74 P.S.I. to (C) 65 P.S.I.  
 Initial Closed In Period 45 Minutes (D) 231 P.S.I.  
 Final Flow Period 60 Minutes (E) 74 P.S.I. to (F) 72 P.S.I.  
 Final Closed In Period 57 Minutes (G) 299 P.S.I.  
 Final Hydrostatic Pressure 2112 P.S.I. (H)

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 12/3/79 Test Ticket No. 4348  
 Recorder No. 2607 Capacity 4150 Location 4290 Ft.  
 Clock No. --- Elevation ---- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2171 P.S.I.	Open Tool	4:30A	M
B First Initial Flow Pressure	74 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	65 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	231 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	74 P.S.I.	Final Closed-in Pressure	60 Mins.	57 Mins.
F Second Final Flow Pressure	72 P.S.I.			
G Final Closed-in Pressure	299 P.S.I.			
H Final Hydrostatic Mud	2112 P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.		of <u>5</u> mins. and a final inc. of <u>0</u> Min.		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	0 74	0	65	0	74	0	72	
P 2	5 68	3	68	5	72	3	78	
P 3	10 65	6	74	10	72	6	87	
P 4	15 65	9	84	15	72	9	99	
P 5	20 65	12	90	20	72	12	112	
P 6	25 65	15	101	25	72	15	125	
P 7	30 65	18	114	30	72	18	135	
P 8		21	127	35	72	21	142	
P 9		24	142	40	72	24	152	
P10		27	157	45	72	27	163	
P11		30	171	50	72	30	175	
P12		33	182	55	72	33	182	
P13		36	197	60	72	36	197	
P14		39	212			39	212	
P15		42	220			42	224	
P16		45	231			45	241	
P17						48	254	
P18						51	271	
P19						54	286	
P20						57	299	