



INC.

P. O. Box 1599

Wichita, Kansas 67201

Company Energy Resources, Inc. Lease & Well No. Haas #1  
 Elevation - Formation Mississippi Effective Pay - Ft. Ticker No. 22014  
 Date 6-7-76 Sec. 36 Twp. 32S Range 10W County Barber State Kansas  
 Test Approved by James F. Dibs Western Representative C. Wayne Fredricks

Formation Test No. 1 O.K.  Misrun  Interval Tested From 4297' to 4342' Total Depth 4342'  
 Size Main Hole 77/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No  
 Top Packer Depth 4292 Ft. Size 6 3/4 Bottom Packer Depth 4297 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 45 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4306 Ft. Clock No. 6799 Depth 4308 Ft. Clock No. 8376  
 Top Make Kuster Cap. 4150 No. 2606  Inside  Outside Bottom Make Kuster Cap. 4000 No. 3351  Inside  Outside  
 Below Straddle: Depth - Rec. No. - Clock No. -  Inside  Outside Depth - Ft. Rec. No. - Clock No. -  Inside  Outside

Time Set Packer 3:43 P M  
 Tool Open I.F.P. From 3:45 P M. to 3:57 P M. - Hr. 12 Min. From (B) 1226 P.S.I. To (C) 1294 P.S.I.  
 Tool Closed I.C.I.P. From 3:57 P M. to 4:42 P M. - Hr. 45 Min (D) 1488 P.S.I.  
 Tool Open F.F.P. From 4:42 P M. to 5:22 P M. - Hr. 40 Min. From (E) 1242 P.S.I. To (F) 1299 P.S.I.  
 Tool Closed F.C.I.P. From 5:22 P M. to 6:22 P M. 1 Hr. - Min. (G) 1488 P.S.I.  
 Initial Hydrostatic Pressure (A) 2282 P.S.I. Final Hydrostatic Pressure (H) 2277 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 1 minute. See attached sheet for gas measurements.

Did Well Flow  Yes  No Recovery Total Ft. 5' distillate.

Reversed Out  Yes  No Mud Type starch Viscosity 50 Weight 9.9 Water Loss 9.2 cc. Chlorides 5800 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?  No Where? -

DRILLING CONTRACTOR Search Drlg. Co. Length Drill Pipe? 4279 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 - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 62 Ft.

Remarks: On initial flow period union on steel pipe leaking closed tool to repair.

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

Date 6-7-76 Test Ticket No. 22014  
 Recorder No. 2606 Capacity 4150 Location 4306 Ft.  
 Clock No. 6799 Elevation - Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2282</u> P.S.I.	Open Tool	<u>3:43 P</u> M	
B First Initial Flow Pressure	<u>1226</u> P.S.I.	First Flow Pressure	<u>12</u> Mins.	<u>17</u> Mins.
C First Final Flow Pressure	<u>1294</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1488</u> P.S.I.	Second Flow Pressure	<u>40</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>1242</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>1299</u> P.S.I.			
G Final Closed-in Pressure	<u>1488</u> P.S.I.			
H Final Hydrostatic Mud	<u>2277</u> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>8</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>2</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>1,226</u>	<u>0</u>	<u>1294</u>	<u>0</u>	<u>1242</u>	<u>0</u>	<u>1299</u>
P 2 <u>5</u>	<u>1,652</u>	<u>3</u>	<u>1478</u>	<u>5</u>	<u>1282</u>	<u>3</u>	<u>1477</u>
P 3 <u>10</u>	<u>1,255</u>	<u>6</u>	<u>1483</u>	<u>10</u>	<u>1301</u>	<u>6</u>	<u>1481</u>
P 4 <u>15</u>	<u>1,286</u>	<u>9</u>	<u>1485</u>	<u>15</u>	<u>1302</u>	<u>9</u>	<u>1484</u>
P 5 <u>17</u>	<u>1,294</u>	<u>12</u>	<u>1486</u>	<u>20</u>	<u>1302</u>	<u>12</u>	<u>1484</u>
P 6		<u>15</u>	<u>1486</u>	<u>25</u>	<u>1302</u>	<u>15</u>	<u>1485</u>
P 7		<u>18</u>	<u>1486</u>	<u>30</u>	<u>1301</u>	<u>18</u>	<u>1485</u>
P 8		<u>21</u>	<u>1488</u>	<u>35</u>	<u>1300</u>	<u>21</u>	<u>1485</u>
P 9		<u>24</u>	<u>1488</u>	<u>40</u>	<u>1299</u>	<u>24</u>	<u>1486</u>
P10		<u>27</u>	<u>1488</u>			<u>27</u>	<u>1486</u>
P11		<u>30</u>	<u>1488</u>			<u>30</u>	<u>1486</u>
P12		<u>33</u>	<u>1488</u>			<u>33</u>	<u>1486</u>
P13		<u>36</u>	<u>1488</u>			<u>36</u>	<u>1487</u>
P14		<u>39</u>	<u>1488</u>			<u>39</u>	<u>1487</u>
P15		<u>42</u>	<u>1488</u>			<u>42</u>	<u>1487</u>
P16		<u>45</u>	<u>1488</u>			<u>45</u>	<u>1487</u>
P17						<u>48</u>	<u>1488</u>
P18						<u>51</u>	<u>1488</u>
P19						<u>54</u>	<u>1488</u>
P20						<u>57</u>	<u>1488</u>



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P. O. Box 1599  
Wichita, Kansas 67201

Date 6-7-76 Ticket 22014 Company Energy Resources, Inc.  
Well Name and No. Haas #1 Dst No. 1 Interval Tested 4297' - 4342'  
County Barber State Kansas Sec. 36 Twp. 32S Rg. 10W

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
<b>PRE FLOW</b>						
3:55 PM	10 min.		70 P.S.I.G.			8,060,000 C.F.P.D.
Tool opened at 3:45 PM		Gas to surface in 1 minute.				

<b>SECOND FLOW</b>						
4:42 PM	Tool Open		70 P.S.I.G.			
4:52 PM	10 min.		70 P.S.I.G.			8,060,000 C.F.P.D.
5:02 PM	20 min.		70 P.S.I.G.			8,060,000 C.F.P.D.
5:12 PM	30 min.		70 P.S.I.G.			8,060,000 C.F.P.D.
5:22 PM	40 min.		70 P.S.I.G.			8,060,000 C.F.P.D.

All measurements were taken through a 2" merla orifice well tester.

**GAS BOTTLE**

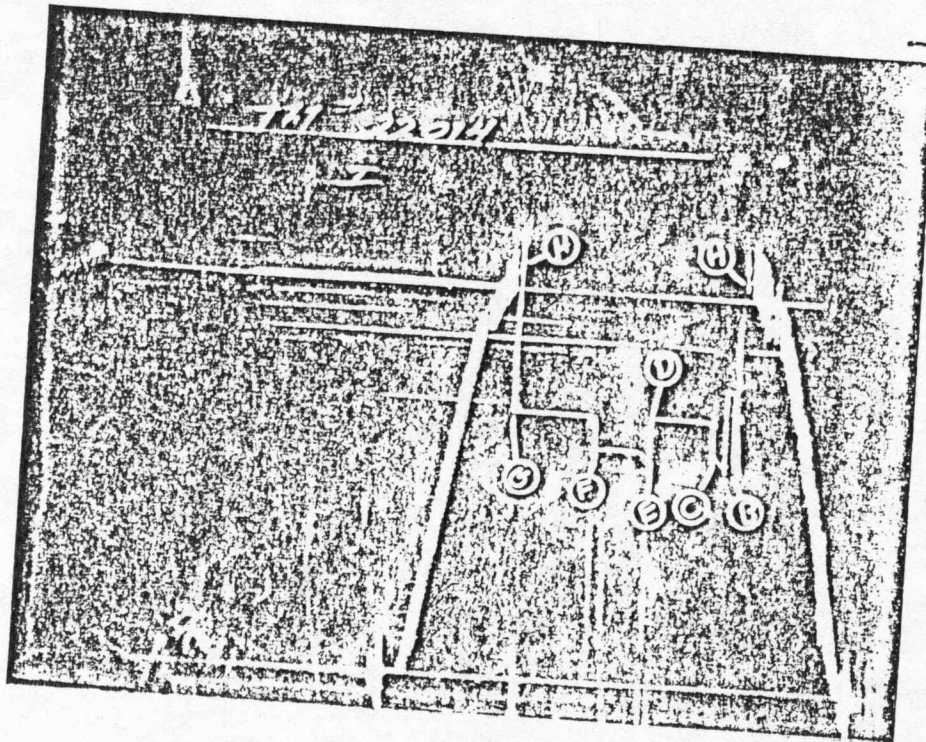
Serial No. - Date Bottle Filled 6-7-76 Date to be Invoiced 6-7-76

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 Energy Resources, Inc.

Authorized by C. Wayne Fredricks



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2271	2282	PSI
(B) First Initial Flow Pressure	1246	1226	PSI
(C) First Final Flow Pressure	1287	1294	PSI
(D) Initial Closed-in Pressure	1475	1483	PSI
(E) Second Initial Flow Pressure	1235	1242	PSI
(F) Second Final Flow Pressure	1287	1299	PSI
(G) Final Closed-in Pressure	1475	1488	PSI
(H) Final Hydrostatic Mud	2277	2277	PSI