

36-30-2W



Home Office: Great Bend, Kansas  
P. O. Box 793 SWiff 3-7903

Bates unit 4-2

Company **Beardmore Drilling Company** Lease & Well No. **Haines #2**  
Elevation **1310 Derrick Floor** Formation **Mississippi** Ticker Number **8909**  
Date **Sept. 30, 1966** Sec. **31** Twp. **30n** Range **1w** County **Sumner** State **Kansas**  
Test Approved by **Frederich W. Stump** <sup>36-30-2W</sup> Western Representative **Norman Allen**

Formation Test No. **1** O.K.  Misrun  Interval Tested From **3727'** to **3743'** Total Depth **3743'**

Size Main Hole **7 7/8"** Rat Hole  Conv.  B.T.  Damaged  Yes **no** No  Conv.  B.T.  Damaged  Yes **no** No  
Packer Depth **3722** Ft. Size **6 3/4** Packer Depth **3727** Ft. Size **6 3/4**

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

Tool Size **5 1/2 OD** Tool Jt. Size **4 1/2 FN** Anchor Length **16** Ft. Size **5 1/2 OD**

RECORDERS Depth **3736** Ft. Clock No. **6851** Depth **3739** Ft. Clock No. **6893**

Top Make **Kuster** Cap. **3150** No. **1560** <sup>Inside</sup> Bottom Make **Kuster** Cap. **3200** No. **1561** <sup>Outside</sup>

Flow Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ <sup>Inside</sup> Depth \_\_\_\_\_ Ft. Clock No. \_\_\_\_\_ <sup>Outside</sup>  
Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ <sup>Inside</sup> Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ <sup>Outside</sup>

Time Set Packer **12:53 P** M

Tool Open I.F.P. From **12:55** M to **1:00** M Hr. **5** Min. From (B) **34** P.S.I. To (C) **47** P.S.I.

Tool Closed I.C.I.P. From **1:00** M. to **1:30** M. Hr. **30** Min. (D) **1299** P.S.I.

Tool Open F.F.P. From **1:30** M. to **2:30** M. Hr. **1** Min. From (E) **57** P.S.I. To (F) **91** P.S.I.

Tool Closed F.C.I.P. From **2:30** M. to **3:00** M. Hr. **30** Min. (G) **1296** P.S.I.

Initial Hydrostatic Pressure (A) **1986** P.S.I. Final Hydrostatic Pressure (H) **1980** P.S.I.

SURFACE Size Choke **3/4** in. Max. Press. P.S.I. Time Description of Flow  
INFORMATION **Spring gauge 1" line 1 3/4 lbs 1:35 P Gas 240,000 C.F.P.D**  
**Spring gauge 1" line 3 lbs 1:45 M Gas 313,000 C.F.P.D.**  
**Spring gauge 1" line 5 lbs stabilized 2:05 to 2:25 Gas 408,000 C.F.P.D.**

FLOW **Strong throughout test. Gas to surface 5 minutes.** Bottom Choke Size **3/4** In.

Did Well Flow **Gas** Yes  No  Recovery Total Ft. **30' muddy oil; 180' heavy oil and gas cut mud**

Reversed Out  Yes  No  Mud Type **chem.** Viscosity **38** Weight **10.1** Maximum Temp. **112** °F

EXTRA EQUIPMENT: Dual Packers  Safety Joint  Jars: Size  Make \_\_\_\_\_ Ser. No. \_\_\_\_\_

Type Circ. Sub. **pin** Did Tool Plug?  Where? \_\_\_\_\_ Did Packer Hold?

Length Drill Pipe **3197** I.D. Drill Pipe **3.8** in Length Weight Pipe **480** Ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **30** ft.

I.D. Drill Collars **2 1/2** in. Length D.S.T. Tool **36** ft.

Remarks **Gas sample was taken from 1:50 to 2:00 PM**



P. O. BOX 793  
GREAT BEND, KANSAS

COMPANY Beardmore Drilling Company LEASE & WELL NO. Haines #2

TEST NO. 1 INTERVAL TESTED FROM 3727' TO 3743'

TIME PRE-FLOW	MAX PRESS. P.S.I.	DESCRIPTION OF FLOW
		<u>On bottom - Tool open @12:55 PM</u>
		<u>Tool open 12:55 to 1:00 PM Preflow</u>
		<u>Tool closed 1:00 to 1:30PM ICIP</u>
		<u>Tool open @1:30 to 2:30 PM</u>
		<u>Gas to surface @1:30PM</u>
<u>1:35PM</u>	<u>1-3/4 lbs.</u>	<u>Gas 240,000 C.F.P.D.</u>
<u>1:45PM</u>	<u>3 lbs.</u>	<u>Gas 313,000 C.F.P.D.</u>
		<u>SECOND FLOW</u>
		<u>Took gas sample from 1:50 to 2:00 PM</u>
<u>2:05PM</u>	<u>5 lbs.</u>	<u>Gas 408,000 C.F.P.D.</u>
<u>2:15PM</u>	<u>5 lbs.</u>	<u>Gas 408,000 C.F.P.D.</u>
<u>2:25PM</u>	<u>5 lbs.</u>	<u>Gas 408,000 C.F.P.D.</u>
		<u>closed tool in from 2:30 to 3:00 PM</u>

SIZE CHOKE \_\_\_\_\_ SURFACE 3/4 IN. BOTTOM 3/4 IN.

REMARKS All measurements were taken with a spring gauge  
(impact) thru one inch line.

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\_\_\_\_\_  
\_\_\_\_\_

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

Date September 30, 1966 Test Ticket No. 8909  
 Recorder No. 1560 Capacity 3150 Location 3736 Ft.  
 Clock No. 6861 Elevation 1310 Derrick Floor Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<b>1986</b>	P.S.I.	<b>12:53 P</b>	
B First Initial Flow Pressure	<b>34</b>	P.S.I.	<b>5</b> Mins.	<b>5</b> Mins.
C First Final Flow Pressure	<b>47</b>	P.S.I.	<b>30</b> Mins.	<b>30</b> Mins.
D Initial Closed-in Pressure	<b>1299</b>	P.S.I.	<b>60</b> Mins.	<b>60</b> Mins.
E Second Initial Flow Pressure	<b>57</b>	P.S.I.	<b>30</b> Mins.	<b>32</b> Mins.
F Second Final Flow Pressure	<b>91</b>	P.S.I.		
G Final Closed-in Pressure	<b>1296</b>	P.S.I.		
H Final Hydrostatic Mud	<b>1980</b>	P.S.I.		

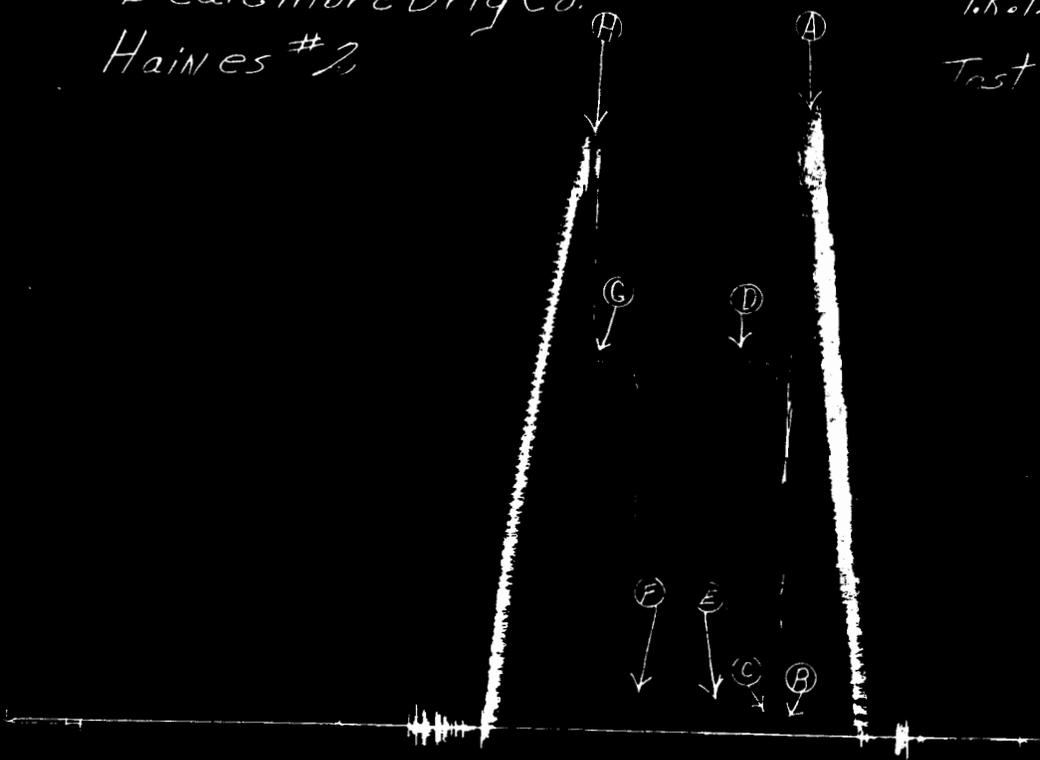
**PRESSURE BREAKDOWN**

<b>First Flow Press.</b> Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>34</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>91</u>
P 2 <u>5</u>	<u>47</u>	<u>3</u>	<u>590</u>	<u>5</u>	<u>57</u>	<u>3</u>	<u>609</u>
P 3		<u>6</u>	<u>1143</u>	<u>10</u>	<u>61</u>	<u>6</u>	<u>1112</u>
P 4		<u>9</u>	<u>1274</u>	<u>15</u>	<u>66</u>	<u>9</u>	<u>1251</u>
P 5		<u>12</u>	<u>1290</u>	<u>20</u>	<u>69</u>	<u>12</u>	<u>1271</u>
P 6		<u>15</u>	<u>1294</u>	<u>25</u>	<u>91</u>	<u>15</u>	<u>1278</u>
P 7		<u>18</u>	<u>1296</u>	<u>30</u>	<u>86</u>	<u>18</u>	<u>1285</u>
P 8		<u>21</u>	<u>1299</u>	<u>35</u>	<u>83</u>	<u>21</u>	<u>1290</u>
P 9		<u>24</u>	<u>1299</u>	<u>40</u>	<u>83</u>	<u>24</u>	<u>1291</u>
P10		<u>27</u>	<u>1299</u>	<u>45</u>	<u>86</u>	<u>27</u>	<u>1293</u>
P11		<u>30</u>	<u>1299</u>	<u>50</u>	<u>89</u>	<u>30</u>	<u>1294</u>
P12				<u>55</u>	<u>92</u>	<u>32</u>	<u>1296</u>
P13				<u>60</u>	<u>91</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Beardmore Drilling Co.  
Haines #2

T.K. 8909  
Test #1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	1986	PSI
(B) First Initial Flow Pressure .....	34	PSI
(C) First Final Flow Pressure .....	47	PSI
(D) Initial Closed-in Pressure .....	1299	PSI
(E) Second Initial Flow Pressure .....	57	PSI
(F) Second Final Flow Pressure .....	91	PSI
(G) Final Closed-in Pressure .....	1296	PSI
(H) Final Hydrostatic Mud .....	1980	PSI

COMPANY \_\_\_\_\_ BEARSKINRIDGE DRILLING COMPANY  
LEASE AND WELL NO. \_\_\_\_\_ HAINES #2  
SEC. \_\_\_\_\_ 31  
TWP \_\_\_\_\_ 30S  
RGE. \_\_\_\_\_ TEST NO. 1  
DATE \_\_\_\_\_ 9-20-86