



WESTERN TESTING CO., INC. FORMATION TESTING

TICKET

25041

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

Formation Missi Elevation 1222KR Eff. Pay _____ Ft.

District Augusta Date 2-18-76 Customer Order No. _____

COMPANY NAME Zenith Drilling Co. Inc.

ADDRESS 300 W. Douglas Suite 600 Wichita Ks. 67202

LEASE AND WELL NO. Sumpter #1 COUNTY Sumner STATE Kansas Sec. 14 Twp. 38 Rge. 1E

Mail Inv. To Same Co. Name _____ Address _____ No. Copies Requested 1

Mail Charts To Same Address _____ No. Copies Requested 5

Formation Test No. 1 O.K. — Misrun X Interval Tested From 3221 to 3250 Total Depth 3250

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

Top Packer Depth 3216 Ft. Size 6 3/4 Bottom Packer Depth 3221 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 29 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3243 Ft. Clock No. 6866 Depth 3246 Ft. Clock No. 6896

Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside

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

Time Set Packer 7:45 AM

Tool Open I.F.P. From — M. to — M. — Hr. — Min. From (B) — P.S.I. To (C) — P.S.I.

Tool Closed I.C.I.P. From — M. to — M. — Hr. — Min. (D) — P.S.I.

Tool Open F.F.P. From — M. to — M. — Hr. — Min. From (E) — P.S.I. To (F) — P.S.I.

Tool Closed F.C.I.P. From — M. to — M. — Hr. — Min. (G) — P.S.I.

Initial Hydrostatic Pressure (A) 1600 P.S.I. Final Hydrostatic Pressure (H) 1600 P.S.I. Maximum Temp. —

INFORMATION

BLOW —

Did Well Flow — Yes X No — Recovery Total Ft. —

Reversed Out — Yes — No — Mud Type Chem Viscosity 45 Weight 95 Water Loss 14 cc. Chlorides 6200 ppm

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

Dual Packers yes Did Packers Hold? no Did Tool Plug? — Where? —

DRILLING CONTRACTOR Whitellis Wulfg. Length Drill Pipe 2871 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 H90 In.

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 330 ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 49 ft.

Remarks Packer seat failure

Tried to set 3221'-3250' failed to hold

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 George R. Deard Western Representative Charles Bronstetter

Signature of Customer or his
Authorized Representative

Operator's Time _____ Hrs.

RECEIVED
FEB 20 1976

INVOICE SECTION

Open Hole Test	\$	
Straddle Test	\$	
Jars	\$	
Selective Zone	\$	
Safety Joint	\$	
Misrun	\$	150.00
Evaluation	\$	
Packer	\$	
Circ. Sub.	\$	
Total	\$	150.00

RECEIVED
FEB 20 1976



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

Company Zenith Drilling Co., Inc. Lease & Well No. Sumpter #1
Elevation 1222 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 25041
Date 2-18-76 Sec. 14 Twp. 30S Range 1E County Sumner State Kansas
Test Approved by George R. Dent Western Representative Charles Branstetter
Formation Test No. 1 O.K. - Misrun X Interval Tested From 3221' to 3250' Total Depth 3250'
Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged X Yes - No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 3216 Ft. Size 6 3/4 Bottom Packer Depth 3221 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 29 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3243 Ft. Clock No. 6866 Depth 3246 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 7:45 A. M
Tool Open I.F.P. From - M. to - M. - Hr. - Min. From (B) - P.S.I. To (C) - P.S.I.
Tool Closed I.C.I.P. From - M. to - M. - Hr. - Min (D) - P.S.I.
Tool Open F.F.P. From - M. to - M. - Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.
Initial Hydrostatic Pressure (A) 1606 P.S.I. Final Hydrostatic Pressure (H) 1601 P.S.I. Maximum Temp. -

INFORMATION

BLOW -
Did Well Flow - Yes - No - Recovery Total Ft. no recovery
Reversed Out - Yes - No - Mud Type chem Viscosity 45 Weight 9.5 Water Loss 14. cc. Chlorides 6200 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -
Dual Packer yes Did Packers Hold? no Did Tool Plug? - Where? -
DRILLING CONTRACTOR White&Ellis Drlg. Co. Length Drill Pipe? 2871 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 H-90 In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 330 Ft. I.D. Drill Collars 2.25 In.
Tool Joint Size 4 H-90 In. Length D.S.T. Tool 49 Ft.
Remarks: Packer seat failure. Tried to set 3221' to 3250' failed to hold.

TAT# 25041

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 25042

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

Formation Miss Elevation 1222KB Eff. Pay _____ Ft.

District Augusta Date 2-18-76 Customer Order No. _____

COMPANY NAME Zenith Drilling Co. Inc

ADDRESS 200 W. Douglas Suite 1000 Wichita, KS 67202

LEASE AND WELL NO. Sumpter #1 COUNTY Sumner STATE Kansas Sec. 14 Twp. 30S Rge. 1E

Mail Inv. To Same Co. Name _____ Address _____ No. Copies Requested 1

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

Address _____

Formation Test No. 2 O.K. — Misrun X Interval Tested From 3201 to 3250 Total Depth 3250

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

Top Packer Depth 3296 Ft. Size 6 3/4 Bottom Packer Depth 3201 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 49 Ft. Size 5 1/2 OD Surface Choke Size 3 1/4 In. Bottom Choke Size 3 1/4 In.

RECORDERS Depth 3227 Ft. Clock No. 6866 Depth 3230 Ft. Clock No. 6892

Top Make Kuster Cap. 4500 No. 3085 Inside — Bottom Make Kuster Cap. 4400 No. 2603 Outside —

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

Time Set Packer 11:10 AM

Tool Open I.F.P. From — M. to — M. — Hr. — Min. From (B) — P.S.I. To (C) — P.S.I.

Tool Closed I.C.I.P. From — M. to — M. — Hr. — Min. (D) — P.S.I.

Tool Open F.F.P. From — M. to — M. — Hr. — Min. From (E) — P.S.I. To (F) — P.S.I.

Tool Closed F.C.I.P. From — M. to — M. — Hr. — Min. (G) — P.S.I.

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

INFORMATION

BLOW —

Did Well Flow — Yes — No — Recovery Total Ft. —

Reversed Out — Yes — No — Mud Type Chem Viscosity 45 Weight 9.5 Water Loss 14 cc. Chlorides 6200 PPM

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

Dual Packers yes Did Packers Hold? no Did Tool Plug? — Where? —

DRILLING CONTRACTOR Zenith Drilling Co Length Drill Pipe 2850 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 H90

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 330 ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 69 ft.

Remarks Packer Seat failure

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

Remarks —

COMPANY TERMS

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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.

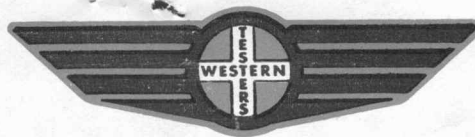
Test Approved By George R. Dent Western Representative Charles Branstetter

Signature of Customer or his
Authorized Representative

Operator's Time _____ Hrs.

INVOICE SECTION

Open Hole Test	\$	—
Straddle Test	\$	—
Jars	\$	—
Selective Zone	\$	—
Safety Joint	\$	—
Misrun	\$	150.00
Evaluation	\$	—
Packer	\$	—
Circ. Sub.	\$	—
Total	\$	150.00



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

Company Zenith Drilling Co., Inc. Lease & Well No. Sumpter #1
Elevation 1222 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 25042
Date 2-18-76 Sec. 14 Twp. 30S Range 1E County Sumner State Kansas
Test Approved by George R. Dent Western Representative Charles Branstetter
Formation Test No. 2 O.K. - Misrun X Interval Tested From 3201' to 3250' Total Depth 3250'
Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 3196 Ft. Size 6 3/4 Bottom Packer Depth 3201 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 49 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3227 Ft. Clock No. 6866 Depth 3230 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3085 Inside Bottom Make Kuster Cap. 4400 No. 2603 Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Outside
Time Set Packer 11:10 AM
Tool Open I.F.P. From - M. to - M. - Hr. - Min. From (B) - P.S.I. To (C) - P.S.I.
Tool Closed I.C.I.P. From - M. to - M. - Hr. - Min (D) - P.S.I.
Tool Open F.F.P. From - M. to - M. - Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.
Initial Hydrostatic Pressure (A) - P.S.I. Final Hydrostatic Pressure (H) - P.S.I. Maximum Temp. -

INFORMATION

BLOW -
Did Well Flow - Yes No Recovery Total Ft. no recovery
Reversed Out - Yes - No Mud Type chem Viscosity 45 Weight 9.5 Water Loss 14. cc. Chlorides 6200 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -
Dual Packer yes Did Packers Hold? no Did Tool Plug? - Where? -
DRILLING CONTRACTOR White&Ellis Drlg. Co. Length Drill Pipe? 2850 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 330 Ft. I.D. Drill Collars 2.25 In.
Tool Joint Size 4H-90 In. Length D.S.T. Tool 69 Ft.
Remarks: Packer seat failure.

TAT# 25042

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WESTERN TESTING CO., INC. FORMATION TESTING

TICKET 25043

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

Formation Miss Elevation 1222 KB Eff. Pay _____ Ft.

District Augusta Date 2-18-76 Customer Order No. _____

COMPANY NAME Zenith Drilling Co. Inc.

ADDRESS 200 W. Douglas Suite 1000 Wichita, Ks. 67202

LEASE AND WELL NO. Sumpter #1 COUNTY Sumner STATE Kansas Sec. 14 Twp. 30S Rge. 1E

Mail Inv. To Same No. Copies Requested 1

Co. Name _____ Address _____

Mail Charts To Same No. Copies Requested 5

Address _____

Formation Test No. 3 O.K. X Misrun — Interval Tested From 3156' to 3250' Total Depth 3250'

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

Top Packer Depth 3151 Ft. Size 63/4 Bottom Packer Depth 3156 Ft. Size 63/4

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

Tool Size 5'200 Tool Joint Size 4 1/2 FH Anchor Length 94 Ft. Size 5'200 Surface Choke Size 34 In. Bottom Choke Size 34 In.

RECORDERS Depth 3174 Ft. Clock No. 6866 Depth 3177 Ft. Clock No. 6896

Top Make Kutin Cap. 4500 No. 3085 Inside — Outside — Bottom Make Kutin Cap. 4400 No. 2603 Inside — Outside —

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

Time Set Packer 2:28 P M

Tool Open I.F.P. From 2:30 P M. to 3:00 P M. — Hr. 30 Min. From (B) 24 P.S.I. To (C) 24 P.S.I.

Tool Closed I.C.I.P. From 3:00 P M. to 3:30 P M. — Hr. 30 Min. (D) 216 P.S.I. To (E) 192 P.S.I.

Tool Open F.F.P. From 3:30 P M. to 4:00 P M. — Hr. 30 Min. From (E) 363 P.S.I. To (F) 167 P.S.I.

Tool Closed F.C.I.P. From 4:00 P M. to 5:00 P M. — Hr. 60 Min. (G) 664 P.S.I. To (H) 646 P.S.I.

Initial Hydrostatic Pressure (A) 1684 P.S.I. Final Hydrostatic Pressure (H) 1647 P.S.I. Maximum Temp. 110°

INFORMATION

BLOW No Blow

Did Well Flow — Yes X No Recovery Total Ft. 40' 4 1/2" mud drilling

Reversed Out — Yes — No Mud Type Chem Viscosity 45 Weight 9.5 Water Loss 14 cc. Chlorides 6200 PPM

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

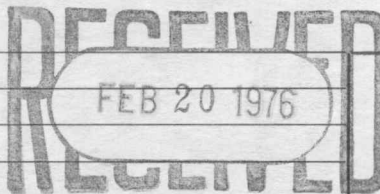
Dual Packers yes Did Packers Hold? yes Did Tool Plug? — Where? —

DRILLING CONTRACTOR Wright & Sons Drilling Co. Length Drill Pipe 2806 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 H90

Length Weight Pipe — ft. I.D. Weight Pipe — In. Tool Joint Size — In. Length Drill Collars 330 ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4" H90 In. Length D.S.T. Tool 114 ft.

Remarks _____



INVOICE SECTION

Open Hole Test	\$ <u>320.00</u>
Straddle Test	\$ <u>—</u>
Jars	\$ <u>—</u>
Selective Zone	\$ <u>—</u>
Safety Joint	\$ <u>—</u>
Misrun	\$ <u>—</u>
Evaluation	\$ <u>—</u>
Packer	\$ <u>—</u>
Circ. Sub.	\$ <u>—</u>
Total	\$ <u>320.00</u>

COMPANY TERMS

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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 George R. Dent Western Representative Charles Bransetter

Signature of Customer or his
Authorized Representative

Operator's Time _____ Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 2-18-76 Test Ticket No. 25043
 Recorder No. 3085 Capacity 4500 Location 3174 Ft.
 Clock No. 6866 Elevation 12224B Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1562</u>	P.S.I.	<u>2:28 P</u>	M
B First Initial Flow Pressure	<u>17</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>26</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>192</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>38</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
F Second Final Flow Pressure	<u>115</u>	P.S.I.		
G Final Closed-in Pressure	<u>646</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1548</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 4 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 12 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 6 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 <u>0</u>	<u>17</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>115</u>
P 2 <u>5</u>	<u>18</u>	<u>3</u>	<u>29</u>	<u>5</u>	<u>39</u>	<u>3</u>	<u>124</u>
P 3 <u>10</u>	<u>19</u>	<u>6</u>	<u>38</u>	<u>10</u>	<u>44</u>	<u>6</u>	<u>140</u>
P 4 <u>15</u>	<u>22</u>	<u>9</u>	<u>50</u>	<u>15</u>	<u>57</u>	<u>9</u>	<u>155</u>
P 5 <u>20</u>	<u>23</u>	<u>12</u>	<u>65</u>	<u>20</u>	<u>74</u>	<u>12</u>	<u>172</u>
P 6 <u>25</u>	<u>24</u>	<u>15</u>	<u>80</u>	<u>25</u>	<u>93</u>	<u>15</u>	<u>191</u>
P 7 <u>30</u>	<u>26</u>	<u>18</u>	<u>98</u>	<u>30</u>	<u>115</u>	<u>18</u>	<u>210</u>
P 8 <u>35</u>		<u>21</u>	<u>117</u>	<u>35</u>		<u>21</u>	<u>232</u>
P 9 <u>40</u>		<u>24</u>	<u>142</u>	<u>40</u>		<u>24</u>	<u>254</u>
P10 <u>45</u>		<u>27</u>	<u>170</u>	<u>45</u>		<u>27</u>	<u>282</u>
P11 <u>50</u>		<u>30</u>	<u>192</u>	<u>50</u>		<u>30</u>	<u>310</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	<u>339</u>
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	<u>372</u>
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>405</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>440</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	<u>476</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>514</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>549</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>585</u>
P20		<u>57</u>				<u>57</u>	<u>616</u>
		<u>60</u>				<u>60</u>	<u>646</u>



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

Company Zenith Drilling Co., Inc. Lease & Well No. Sumpter #1
Elevation 1222 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 25043
Date 2-18-76 Sec. 14 Twp. 30S Range 1E County Sumner State Kansas
Test Approved by George R. Dent Western Representative Charles Branstetter
Formation Test No. 3 O.K. X Misrun - Interval Tested From 3156' to 3250' Total Depth 3250'
Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 3151 Ft. Size 6 3/4 Bottom Packer Depth 3156 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 94 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3174 Ft. Clock No. 6866 Depth 3177 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 2:28 P.M.
Tool Open I.F.P. From 2:30P M. to 3:00P M. - Hr. 30 Min. From (B) 17 P.S.I. To (C) 26 P.S.I.
Tool Closed I.C.I.P. From 3:00P M. to 3:30P M. - Hr. 30 Min (D) 192 P.S.I.
Tool Open F.F.P. From 3:30P M. to 4:00P M. - Hr. 30 Min. From (E) 38 P.S.I. To (F) 115 P.S.I.
Tool Closed F.C.I.P. From 4:00P M. to 5:00P M. - Hr. 60 Min. (G) 646 P.S.I.
Initial Hydrostatic Pressure (A) 1562 P.S.I. Final Hydrostatic Pressure (H) 1548 P.S.I. Maximum Temp. 110

INFORMATION

BLOW No blow
Did Well Flow - Yes X No Recovery Total Ft. 40' drilling mud.
Reversed Out - Yes - No Mud Type chem Viscosity 45 Weight 9.5 Water Loss 14. cc. Chlorides 6200 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 White&Ellis Drlg. Co. Length Drill Pipe? 2806 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 H-90 In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 330 Ft. I.D. Drill Collars 2.25 In.
Tool Joint Size 4H-90 In. Length D.S.T. Tool 114 Ft.
Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 2-18-76 Test Ticket No. 25043
 Recorder No. 3085 Capacity 4500 Location 3174 Ft.
 Block No. 6866 Elevation 1222 Kelly Bushing Well Temperature 110 °F
 Point Pressure Time Given Time Computed
 Initial Hydrostatic Mud 1562 P.S.I. Open Tool 2:28 P.M.
 First Initial Flow Pressure 17 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 First Final Flow Pressure 26 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 Initial Closed-in Pressure 192 P.S.I. Second Flow Pressure 30 Mins. 30 Mins.
 Second Initial Flow Pressure 38 P.S.I. Final Closed-in Pressure 60 Mins. 60 Mins.
 Second Final Flow Pressure 115 P.S.I.
 Final Closed-in Pressure 646 P.S.I.
 Final Hydrostatic Mud 1548 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>6</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 ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 <u>0</u>	<u>17</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>115</u>
2 <u>5</u>	<u>18</u>	<u>3</u>	<u>29</u>	<u>5</u>	<u>39</u>	<u>3</u>	<u>124</u>
3 <u>10</u>	<u>19</u>	<u>6</u>	<u>38</u>	<u>10</u>	<u>44</u>	<u>6</u>	<u>140</u>
4 <u>15</u>	<u>22</u>	<u>9</u>	<u>50</u>	<u>15</u>	<u>57</u>	<u>9</u>	<u>155</u>
5 <u>20</u>	<u>23</u>	<u>12</u>	<u>65</u>	<u>20</u>	<u>74</u>	<u>12</u>	<u>172</u>
6 <u>25</u>	<u>24</u>	<u>15</u>	<u>80</u>	<u>25</u>	<u>93</u>	<u>15</u>	<u>191</u>
7 <u>30</u>	<u>26</u>	<u>18</u>	<u>98</u>	<u>30</u>	<u>115</u>	<u>18</u>	<u>210</u>
8		<u>21</u>	<u>117</u>			<u>21</u>	<u>232</u>
9		<u>24</u>	<u>142</u>			<u>24</u>	<u>256</u>
10		<u>27</u>	<u>170</u>			<u>27</u>	<u>282</u>
11		<u>30</u>	<u>192</u>			<u>30</u>	<u>310</u>
12						<u>33</u>	<u>339</u>
13						<u>36</u>	<u>372</u>
14						<u>39</u>	<u>405</u>
15						<u>42</u>	<u>440</u>
16						<u>45</u>	<u>476</u>
17						<u>48</u>	<u>514</u>
18						<u>51</u>	<u>549</u>
19						<u>54</u>	<u>585</u>
20						<u>57</u>	<u>616</u>
WTC - 4						<u>60</u>	<u>646</u>

