

Company Oil Tech Producers Corporation Lease & Well No. F D Steurdevant #1
Elevation 1300 Kelly Bushing Formation Stalnaker Sand Effective Pay - Ft. Ticket No. 11113
Date 5/6/81 Sec. 36 Twp. 27S Range 2E County Sedgwick State Kansas
Test Approved by Joe Baker Western Representative Norman Allen

Formation Test No. 1 Interval Tested from 2008 ft. to 2026 ft. Total Depth 2026 ft.

Packer Depth 2008 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2003 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2019 ft. Recorder Number 13268 Cap. 4225

Bottom Recorder Depth (Outside) 2022 ft. Recorder Number 1559 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Triangle Drilling Rig #1 Drill Collar Length 300 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 51 Weight Pipe Length - I. D. - in.

Weight 9.1 Water Loss 15.6 cc. Drill Pipe Length 1688 I. D. 3.8 in.

Chlorides 2200 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 18 ft. Size 5 1/2 OD in.

Did Well Flow? GAS Reversed Out No Surface Choke Size 1/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong throughout test. Gas to surface in 23 minutes. See attached sheet for gas measurements.

Recovered 420 ft. of gas cut muddy salt water Chlorides 130,000 PPM

Recovered - ft. of - Resistivity .9 @ 70°F

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 12:01 A.M. Time Started Off Bottom 3:01 A.M. Maximum Temperature 94

Initial Hydrostatic Pressure (A) 972 P.S.I.

Initial Flow Period Minutes 30 (B) 85 P.S.I. to (C) 121 P.S.I.

Initial Closed In Period Minutes 33 (D) 730 P.S.I.

Final Flow Period Minutes 55 (E) 147 P.S.I. to (F) 217 P.S.I.

Final Closed In Period Minutes 60 (G) 747 P.S.I.

Final Hydrostatic Pressure (H) 972 P.S.I.

GAS FLOW REPORT

Date 5/6/81 Ticket 11113 Company Oil Tech Producers Corporation
 Well Name and No. F D Steurdevant #1 Dst No. 1 Interval Tested 2008-2026
 County Sedgwick State Kansas Sec. 36 Twp. 27S Rg. 2E

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 @ 12:00 noon PRE FLOW						
	Gas to	surface in	23 minutes.			
	30 Min	10" water	1/4" Orifice			5,320 C.F.P.D.

SECOND FLOW						
	40 Min	8" water	1/4" Orifice			4,760 C.F.P.D.
	50 Min	7" water	1/4" Orifice			4,450 C.F.P.D.
	60 Min	7" water	1/4" Orifice			4,450 C.F.P.D.
	70 Min	5" water	1/4" Orifice			3,710 C.F.P.D.
	80 Min	5" water	1/4" Orifice			3,710 C.F.P.D.
	90 Min	4" water	1/4" Orifice			3,370 C.F.P.D.

GAS BOTTLE

Serial No. _____ - Date Bottle Filled _____ - Date to be Invoiced 5/6/81

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 Oil Tech Producers Corporation

Authorized by Joe Baker

WESTERN TESTING CO., INC.

Pressure Data

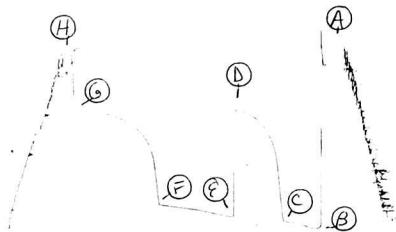
Date 5/6/81 Recorder No. 13268 Capacity 4225 Test Ticket No. 11113 Location 2019 Ft.
 Clock No. - Elevation 1300 Kelly Bushing Well Temperature 94 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	972	P.S.I.	12:01P	M
B First Initial Flow Pressure	85	P.S.I.	30	Mins.
C First Final Flow Pressure	121	P.S.I.	30	Mins.
D Initial Closed-in Pressure	730	P.S.I.	60	Mins.
E Second Initial Flow Pressure	147	P.S.I.	60	Mins.
F Second Final Flow Pressure	217	P.S.I.		
G Final Closed-in Pressure	747	P.S.I.		
H Final Hydrostatic Mud	972	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>11</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>	85	0	121	0	147	0	217
P 2 <u>5</u>	83	3	333	5	154	3	432
P 3 <u>10</u>	90	6	489	10	162	6	523
P 4 <u>15</u>	105	9	562	15	171	9	572
P 5 <u>20</u>	113	12	609	20	179	12	604
P 6 <u>25</u>	120	15	643	25	186	15	628
P 7 <u>30</u>	121	18	666	30	192	18	647
P 8		21	685	35	197	21	662
P 9		24	698	40	203	24	674
P10		27	711	45	207	27	687
P11		30	719	50	214	30	694
P12		33	730	55	217	33	702
P13						36	709
P14						39	715
P15						42	721
P16						45	728
P17						48	730
P18						51	734
P19						54	740
P20						57	745
						60	747

TKT # 11113
I



13268

Company Oil-Tech Producers Corporation Lease & Well No. F.D.Steurdevant #1
 Elevation 1300 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 8116
 Date 5/10/81 Sec. 36 Twp 27S Range 2E County Butler State Kansas
 Test Approved by Joe M. Baker Western Representative Kenny Kirkendall
 Formation Test No. 2 Interval Tested from 3080 ft. to 3129 ft. Total Depth 3129 ft.
 Packer Depth 3080 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3075 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3085 ft. Recorder Number 2608 Cap. 4150
 Bottom Recorder Depth (Outside) 3090 ft. Recorder Number 10266 Cap. 4650
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Triangle Drlg. Rig #1 Drill Collar Length 150 I. D. - in.
 Mud Type chemical Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 8 cc. Drill Pipe Length 2932 I. D. - in.
 Chlorides 2,800 P.P.M. Test Tool Length 18 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 29 ft. Size 5 1/2 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 XH in.

Blow: Weak; died in twelve minutes.

Recovered 20 ft. of mud
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Remarks: -

Time Set Packer(s) 8:38 A.M. P.M. Time Started Off Bottom - A.M. P.M. Maximum Temperature ?
 Initial Hydrostatic Pressure 1495 P.S.I.
 Initial Flow Period 25 Minutes (B) 106 P.S.I. to (C) 88 P.S.I.
 Initial Closed In Period 30 Minutes (D) 1104 P.S.I.
 Final Flow Period 30 Minutes (E) 169 P.S.I. to (F) 137 P.S.I.
 Final Closed In Period 36 Minutes (G) 1098 P.S.I.
 Final Hydrostatic Pressure 1495 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

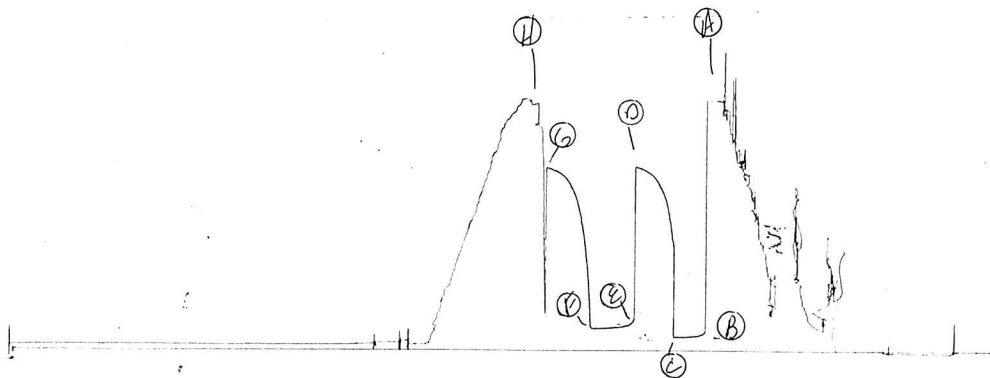
Date 5/10/81 Recorder No. 10266 Capacity 4650 Test Ticket No. 8116
 Location 3090 Ft. -
 Clock No. -- Elevation 1300 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1495</u> P.S.I.	Open Tool	<u>8:38</u> M	
B First Initial Flow Pressure	<u>106</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>88</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1104</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>169</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>36</u> Mins.
F Second Final Flow Pressure	<u>137</u> P.S.I.			
G Final Closed-in Pressure	<u>1098</u> P.S.I.			
H Final Hydrostatic Mud	<u>1495</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>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>12</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>106</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>169</u>	<u>0</u>	<u>137</u>
P 2 <u>5</u>	<u>94</u>	<u>3</u>	<u>703</u>	<u>5</u>	<u>155</u>	<u>3</u>	<u>413</u>
P 3 <u>10</u>	<u>91</u>	<u>6</u>	<u>853</u>	<u>10</u>	<u>146</u>	<u>6</u>	<u>636</u>
P 4 <u>15</u>	<u>88</u>	<u>9</u>	<u>939</u>	<u>15</u>	<u>143</u>	<u>9</u>	<u>801</u>
P 5 <u>20</u>	<u>88</u>	<u>12</u>	<u>991</u>	<u>20</u>	<u>141</u>	<u>12</u>	<u>895</u>
P 6 <u>25</u>	<u>88</u>	<u>15</u>	<u>1030</u>	<u>25</u>	<u>138</u>	<u>15</u>	<u>960</u>
P 7 _____		<u>18</u>	<u>1058</u>	<u>30</u>	<u>137</u>	<u>18</u>	<u>1005</u>
P 8 _____		<u>21</u>	<u>1074</u>			<u>21</u>	<u>1037</u>
P 9 _____		<u>24</u>	<u>1088</u>			<u>24</u>	<u>1060</u>
P10 _____		<u>27</u>	<u>1100</u>			<u>27</u>	<u>1074</u>
P11 _____		<u>30</u>	<u>1104</u>			<u>30</u>	<u>1084</u>
P12 _____						<u>33</u>	<u>1093</u>
P13 _____						<u>36</u>	<u>1098</u>
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

SK # 8116



Company Oil-Tech Producers Corporation Lease & Well No. F. D. Steurdevant #1
Elevation 1300 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 8117
Date 5/11/81 Sec. 36 Twp. 27S Range 2E County Butler State Kansas
Test Approved by Joe M. Baker Western Representative Kenny Kirkendall

Formation Test No. 3 Interval Tested from 3078 ft. to 3112 ft. Total Depth 3112 ft.

Packer Depth 3078 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3073 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3083 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 3088 ft. Recorder Number 10266 Cap. 4550

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Triangle Drlg. Rig #1 Drill Collar Length 3000 I. D. - in.

Mud Type chemical Viscosity 41 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 8 cc. Drill Pipe Length - I. D. - in.

Chlorides 2,800 P.P.M. Test Tool Length 18 ft. Tool Size 5 1/2 in.

Jars: Make No Serial Number - Anchor Length 34 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out - 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 XH in.

Blow: Weak blow throughout first flow.

Recovered 15 ft. of heavy oil cut mud

Recovered 60 ft. of very slightly oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Standby after DST #3

Time Set Packer(s) 10:25 A.M. P.M. Time Started Off Bottom A.M. P.M. Maximum Temperature ?

Initial Hydrostatic Pressure (A) 1483 P.S.I.

Initial Flow Period Minutes 30 (B) 49 P.S.I. to (C) 36 P.S.I.

Initial Closed In Period Minutes 33 (D) 1137 P.S.I.

Final Flow Period Minutes 10 (E) 97 P.S.I. to (F) 63 P.S.I.

Final Closed In Period Minutes -- (G) -- P.S.I.

Final Hydrostatic Pressure (H) 1483 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5/11/81 Recorder No. 2605 Capacity 4150 Test Ticket No. 8117
 Location 3083 Ft. --
 Clock No. - Elevation 1300 Kelly Bushing Well Temperature -- °F

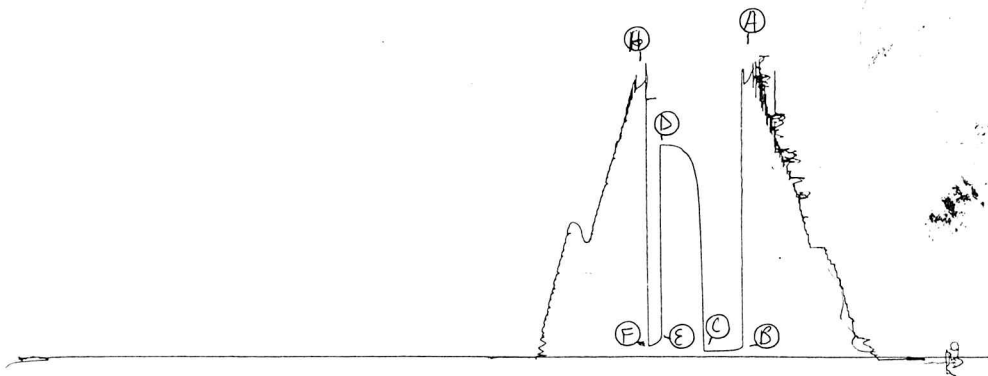
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1483 P.S.I.	10:25 M	
B First Initial Flow Pressure	49 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	36 P.S.I.	30 Mins.	33 Mins.
D Initial Closed-in Pressure	1137 P.S.I.	10 Mins.	10 Mins.
E Second Initial Flow Pressure	97 P.S.I.	-- Mins.	-- Mins.
F Second Final Flow Pressure	63 P.S.I.		
G Final Closed-in Pressure	-- P.S.I.		
H Final Hydrostatic Mud	1483 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>2</u> Inc.		Breakdown: <u>0</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>49</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>97</u>		
P 2 <u>5</u>	<u>42</u>	<u>3</u>	<u>587</u>	<u>5</u>	<u>72</u>		
P 3 <u>10</u>	<u>38</u>	<u>6</u>	<u>923</u>	<u>10</u>	<u>63</u>		
P 4 <u>15</u>	<u>36</u>	<u>9</u>	<u>1025</u>				
P 5 <u>20</u>	<u>36</u>	<u>12</u>	<u>1072</u>				
P 6 <u>25</u>	<u>36</u>	<u>15</u>	<u>1097</u>				
P 7 <u>30</u>	<u>36</u>	<u>18</u>	<u>1118</u>				
P 8		<u>21</u>	<u>1128</u>				
P 9		<u>24</u>	<u>1135</u>				
P10		<u>27</u>	<u>1137</u>				
P11		<u>30</u>	<u>1137</u>				
P12		<u>33</u>	<u>1137</u>				
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TRT # 8117
I

2695
DST #3



Company Oil - Tech Producers Corporation Lease & Well No. F. D. Steurdevant #1
Elevation 1300 Kelly Bushing Simpson Effective Pay - Ft. Ticket No. 8118
Date 5/11/81 36 Sec. 27S Twp. 2E Range Butler County Kansas State
Test Approved by Joe M. Baker Western Representative Kenny Kirkendall
Formation Test No. 4 Interval Tested from 3107 ft. to 3118 ft. Total Depth 3118 ft.
Packer Depth 3107 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3102 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3112 ft. Recorder Number 2605 Cap. 4150
Bottom Recorder Depth (Outside) 3116 ft. Recorder Number 10266 Cap. 4650
Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -
Drilling Contractor Triangle Drilling Rig #1 Drill Collar Length 300 I. D. - in.
Mud Type chemical Viscosity 41 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss 8 cc. Drill Pipe Length - I. D. - in.
Chlorides 2,800 P.P.M. Test Tool Length 18 ft. Tool Size 5 1/2 in.
Jars: Make No Serial Number - Anchor Length 11 ft. Size 5 1/2 in.
Did Well Flow? - Reversed Out - 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 XH in.

Blow: MISRUN PACKER SEAT FAILURE

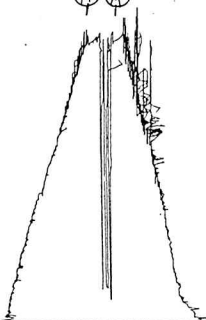
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks: SLID TOOL FOUR TO FIVE FEET TO BOTTOM. MISRUN

Time Set Packer(s) A.M. Time Started Off Bottom P.M. Maximum Temperature -
Initial Hydrostatic Pressure 1529 (A) P.S.I.
Initial Flow Period Minutes (B) -- P.S.I. to (C) - P.S.I.
Initial Closed In Period Minutes (D) -- P.S.I.
Final Flow Period Minutes (E) -- P.S.I. to (F) - P.S.I.
Final Closed In Period Minutes (G) -- P.S.I.
Final Hydrostatic Pressure 1529 (H) P.S.I.

TKT # 8118

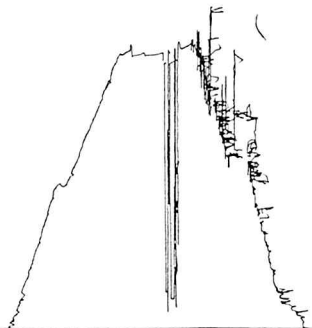
I

(H) (A)



TKT # 8118

0



Company Oil - Tech Producers Corporation Lease & Well No. F.D. Steurdevant #1
Elevation 1300 Kelly Bushing Simpson Effective Pay - Ft. Ticket No. 8119
Date 5/12/81 Sec. 36 Twp. 27S Range 2E County Butler State Kansas
Test Approved by Joe M. Baker Western Representative Kenny Kirkendall
Formation Test No. 5 Interval Tested from 3079 ft. to 3118 ft. Total Depth 3118 ft.
Packer Depth 3079 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3074 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3084 ft. Recorder Number 2605 Cap. 4150
Bottom Recorder Depth (Outside) 3089 ft. Recorder Number 10266 Cap. 4650
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Triangle Drilling Rig #1 Drill Collar Length 300 I. D. - in.
Mud Type chemical Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss 40 cc. Drill Pipe Length - I. D. - in.
Chlorides 20,000 P.P.M. Test Tool Length 18 ft. Tool Size 5 1/2 in.
Jars: Make No Serial Number - Anchor Length 39 ft. Size 5 1/2 in.
Did Well Flow? --- Reversed Out - 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 XH in.

Blow: MISRUN PACKER SEAT FAILURE

Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks: MISRUN

Time Set Packer(s) A.M. Time Started Off Bottom A.M. Maximum Temperature P.M.
Initial Hydrostatic Pressure (A) 1379 P.S.I.
Initial Flow Period Minutes (B) -- P.S.I. to (C) -- P.S.I.
Initial Closed In Period Minutes (D) -- P.S.I.
Final Flow Period Minutes (E) -- P.S.I. to (F) -- P.S.I.
Final Closed In Period Minutes (G) -- P.S.I.
Final Hydrostatic Pressure (H) 1397 P.S.I.

TKT # 8119
I

