



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company J. A. Allison Lease & Well No. Renze #3
Elevation 1990 Formation - Effective Pay - Ft. Ticket No. 15066
Date 9/ 2 /81 Sec. 14 Twp. 18S Range 18W County Rush State Kansas
Test Approved by Allen S. Monroe Western Representative Jim Schulz
Formation Test No. 1 Interval Tested from 3745 ft. to 3780 ft. Total Depth 3780 ft.
Packer Depth 3740 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 3745 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3746 ft. Recorder Number 1563 Cap. 4200
Bottom Recorder Depth (Outside) 3749 ft. Recorder Number 1562 Cap. 3900
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor B. & B. Drlg. Rig #2 Drill Collar Length - I. D. - in.
Mud Type starch Viscosity 36 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 14.4 cc. Drill Pipe Length 3724 I. D. - in.
Chlorides 44,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 35 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: Initial flow period fair steady blow. Final flow period very weak blow; died in twenty-five minutes.

Recovered 60 ft. of slightly gas cut mud specks of oil on top of tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:07 ~~A.M.~~ P.M. Time Started Off Bottom 12:32 ~~A.M.~~ P.M. Maximum Temperature 107°
Initial Hydrostatic Pressure 1903 P.S.I. (A)
Initial Flow Period 30 Minutes (B) 43 P.S.I. to (C) 43 P.S.I.
Initial Closed In Period 42 Minutes (D) 345 P.S.I.
Final Flow Period 85 Minutes (E) 54 P.S.I. to (F) 56 P.S.I.
Final Closed In Period 39 Minutes (G) 101 P.S.I.
Final Hydrostatic Pressure 1892 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 9/2/81 Recorder No. 1563 Capacity 4200 Test Ticket No. 15066
 Clock No. - Elevation 1990 Kelly Bushing Location 3746 Ft. 107
 Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1903	P.S.I.	9:07P	M
B First Initial Flow Pressure	43	P.S.I.	30	Mins.
C First Final Flow Pressure	43	P.S.I.	45	Mins.
D Initial Closed-in Pressure	345	P.S.I.	90	Mins.
E Second Initial Flow Pressure	54	P.S.I.	45	Mins.
F Second Final Flow Pressure	56	P.S.I.		
G Final Closed-in Pressure	101	P.S.I.		
H Final Hydrostatic Mud	1892	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>13</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>43</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>56</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>44</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>50</u>
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>49</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>47</u>
P 4 <u>15</u>	<u>43</u>	<u>9</u>	<u>58</u>	<u>15</u>	<u>54</u>	<u>9</u>	<u>47</u>
P 5 <u>20</u>	<u>43</u>	<u>12</u>	<u>67</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>47</u>
P 6 <u>25</u>	<u>43</u>	<u>15</u>	<u>84</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>51</u>
P 7 <u>30</u>	<u>43</u>	<u>18</u>	<u>108</u>	<u>30</u>	<u>54</u>	<u>18</u>	<u>53</u>
P 8		<u>21</u>	<u>125</u>	<u>35</u>	<u>54</u>	<u>21</u>	<u>57</u>
P 9		<u>24</u>	<u>157</u>	<u>40</u>	<u>54</u>	<u>24</u>	<u>62</u>
P10		<u>27</u>	<u>200</u>	<u>45</u>	<u>54</u>	<u>27</u>	<u>69</u>
P11		<u>30</u>	<u>237</u>	<u>50</u>	<u>54</u>	<u>30</u>	<u>77</u>
P12		<u>33</u>	<u>276</u>	<u>55</u>	<u>54</u>	<u>33</u>	<u>84</u>
P13		<u>36</u>	<u>308</u>	<u>60</u>	<u>54</u>	<u>36</u>	<u>97</u>
P14		<u>39</u>	<u>338</u>	<u>65</u>	<u>55</u>	<u>39</u>	<u>101</u>
P15		<u>42</u>	<u>345</u>	<u>70</u>	<u>55</u>		
P16				<u>75</u>	<u>56</u>		
P17				<u>80</u>	<u>56</u>		
P18				<u>85</u>	<u>56</u>		
P19							
P20							

COMPANY J. A. ALLISON

LEASE AND WELL NO.

RENZE #3

SEC.

14

TWP.

18S

RGE.

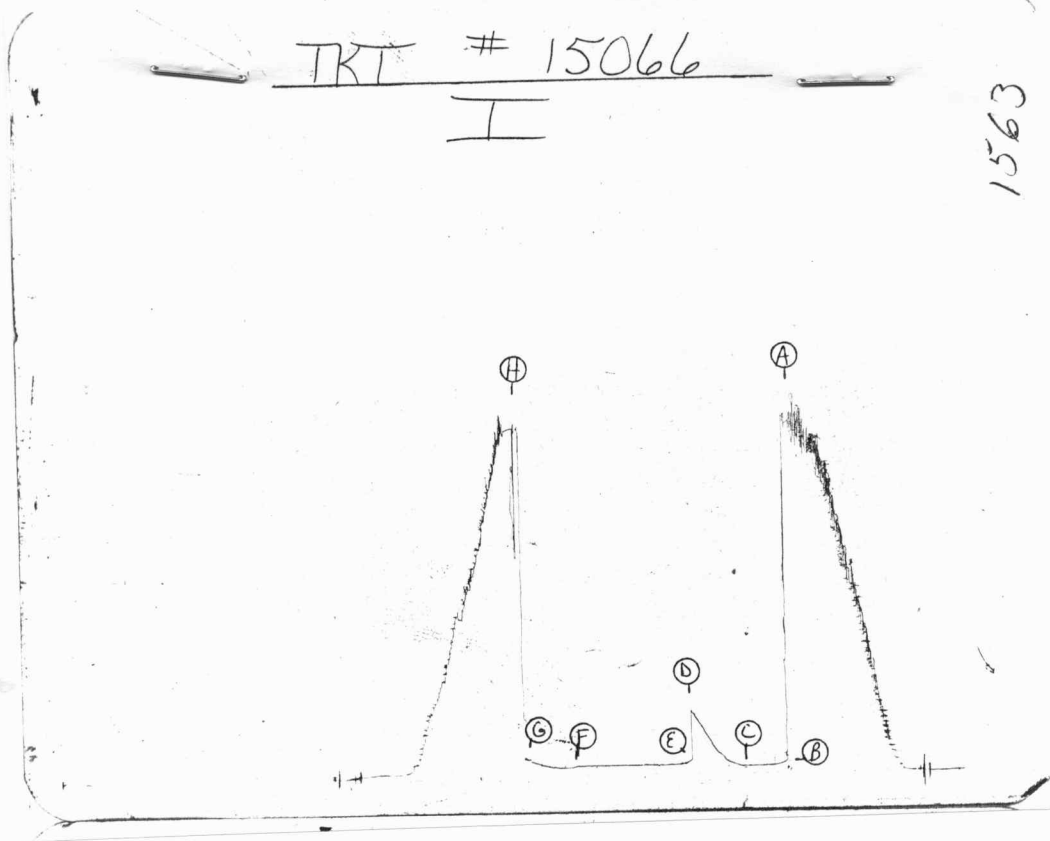
18W

TEST NO.

1

DATE

9/2 /81



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1881	1903	PSI
(B) First Initial Flow Pressure	50	43	PSI
(C) First Final Flow Pressure	50	43	PSI
(D) Initial Closed-in Pressure	320	345	PSI
(E) Second Initial Flow Pressure	60	54	PSI
(F) Second Final Flow Pressure	60	56	PSI
(G) Final Closed-in Pressure	86	101	PSI
(H) Final Hydrostatic Mud	1892	1892	PSI



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Company J. A. Allison Lease & Well No. Renze #3
Elevation 1990 Formation Viola Effective Pay - Ft. Ticket No. 15067
Date 9/ 3 /81 Sec. 14 Twp. 18S Range 18W County Rush State Kansas
Test Approved by Allen S. Monroe Western Representative Jim Schulz
Formation Test No. 2 Interval Tested from 3423 ft. to 3449 ft. Total Depth 3816 ft.
Packer Depth 3423 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 3449 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3438 ft. Recorder Number 1563 Cap. 4200
Bottom Recorder Depth (Outside) 3441 ft. Recorder Number 1562 Cap. 3900
Below Straddle Recorder Depth 3812 ft. Recorder Number - Cap. -
Drilling Contractor B. & B. Drlg. Rig #2 Drill Collar Length - I. D. - in.
Mud Type starch Viscosity 40 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 14.0 cc. Drill Pipe Length 3402 I. D. 3.8 in.
Chlorides 43,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 26 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: MISRUN

Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of TOP PACKER FAILED
Recovered - ft. of -
Remarks: -

Time Set Packer(s) 7:40 ~~A.M.~~ P.M. Time Started Off Bottom 7:55 ~~A.M.~~ P.M. Maximum Temperature ?
Initial Hydrostatic Pressure (A) 1736 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) 1736 P.S.I.

COMPANY J. A. ALLISON

LEASE AND WELL NO. _____

RENZE #3

SEC. _____

14

TWP. _____

18S

RGE. _____

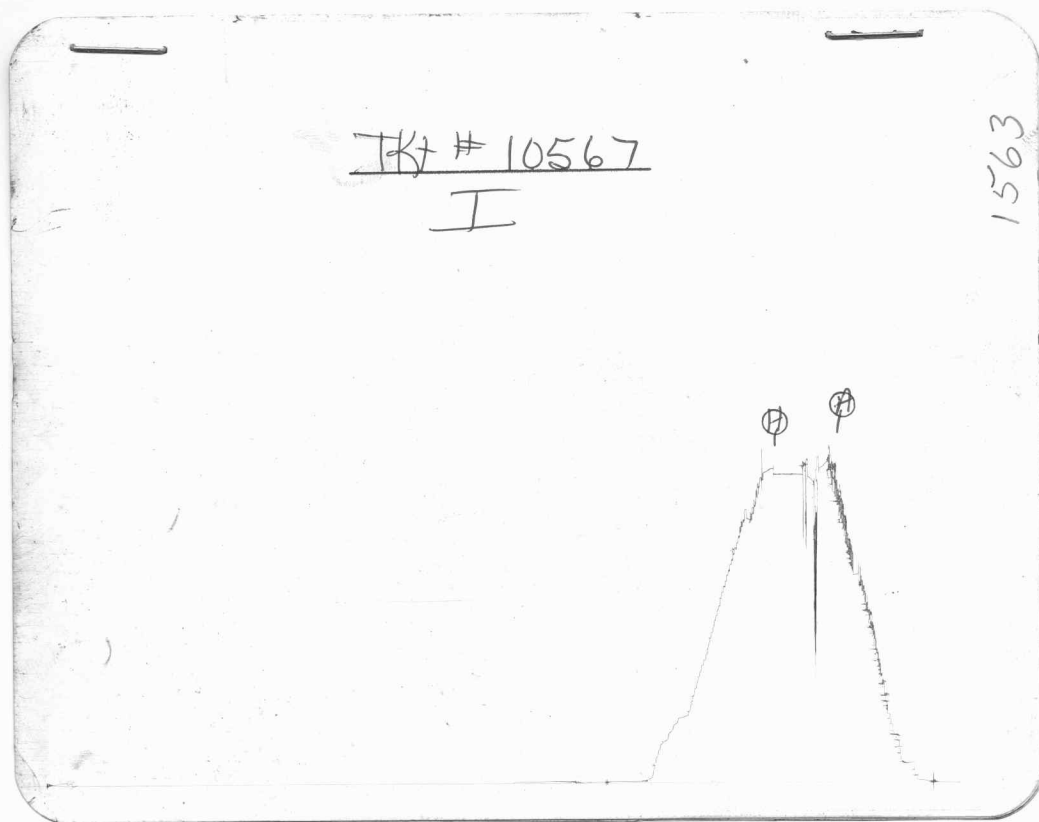
18W

TEST NO. _____

2

DATE _____

9 / 3 / 81



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	-	1736
(B) First Initial Flow Pressure	-	-
(C) First Final Flow Pressure	-	-
(D) Initial Closed-in Pressure	-	-
(E) Second Initial Flow Pressure	-	-
(F) Second Final Flow Pressure	-	-
(G) Final Closed-in Pressure	-	-
(H) Final Hydrostatic Mud	-	1736

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Company J. A. Allison Lease & Well No. Renze #3
Elevation 1990 Formation Viola Effective Pay - Ft. Ticket No. 15068
Date 9/ 4 /81 Sec. 14 Twp. 18S Range 18W County Rush State Kansas
Test Approved by Allen S. Monroe Western Representative Jim Schulz
Formation Test No. 3 Interval Tested from 3425 ft. to 3464 ft. Total Depth 3816 ft.
Packer Depth 3419 ft. Size 6 5/8 in. Packer Depth 3425 ft. Size 6-5/8 in.
Packer Depth 3464 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3439 ft. Recorder Number 1563 Cap. 4200
Bottom Recorder Depth (Outside) 3442 ft. Recorder Number 1562 Cap. 3900
Below Straddle Recorder Depth 3812 ft. Recorder Number - Cap. -
Drilling Contractor B. & B. Drlg. Rig #2 Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 14.0 cc. Drill Pipe Length 3398 I. D. 3.8 in.
Chlorides 43,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 39 ft. Size 5 1/2 in.
Did Well Flow? Yes 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: Strong. Gas to surface in five minutes. See attached sheet for gas measurements.

Recovered 70 ft. of gas cut mud with few specks oil in top of tool

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 3:00 A.M. Time Started Off Bottom 6:30 A.M. Maximum Temperature 104°
Initial Hydrostatic Pressure 1745 P.S.I.
Initial Flow Period 45 Minutes (B) 72 P.S.I. to (C) 72 P.S.I.
Initial Closed In Period 45 Minutes (D) 1160 P.S.I.
Final Flow Period 55 Minutes (E) 68 P.S.I. to (F) 67 P.S.I.
Final Closed In Period 45 Minutes (G) 1129 P.S.I.
Final Hydrostatic Pressure 1719 P.S.I. (H)



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GAS FLOW REPORT

Date 9/4/81 Ticket 15068 Company J. A. Allison
Well Name and No. Renze #3 Dst No. 3 Interval Tested 3425'-3816'
County Rush State Kansas Sec. 14 Twp. 18S Rg. 18W

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 3:05AM Gas to surface 3:10 AM						
PRE FLOW						
3:20	10 min.	4" of water		1½" orifice		139,000 CFPD
3:30	20 min.	11" of water		1" orifice		85,900 CFPD
3:40	30 min.	11" of water		1" orifice		85,900 CFPD
3:50	40 min.	11" of water		1" orifice		85,900 CFPD

Tool open second flow 4:40 AM						
SECOND FLOW						
4:45	5 min.	5" of water		1½" orifice		156,000 CFPD
4:55	15 min.	11" of water		1" orifice		85,900 CFPD
5:05	25min.	10" of water		1" orifice		81,600 CFPD
5:15	35 min.	9" of water		1" orifice		77,500 CFPD
5:25	45 min.	7" of water		1" orifice		68,300 CFPD
5:35	55 min.	7" of water		1" orifice		68,300 CFPD
5:40	60 min.	6" of water		1" orifice		63,300 CFPD

GAS BOTTLE

Serial No. 602 Date Bottle Filled 9/4/81 Date to be Invoiced 9/4/81

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 J. A. Allison

Authorized by Allen S. Monroe

WESTERN TESTING CO., INC.

Pressure Data

Date 9/4/81 Test Ticket No. 15068
Recorder No. 1563 Capacity 4200 Location 3439 Ft.
Clock No. - Elevation 1990 Kelly Bushing Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1745</u> P.S.I.	Open Tool	<u>3:00A</u> M	
B First Initial Flow Pressure	<u>72</u> P.S.I.	First Flow Pressure	<u>50</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>72</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1160</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>68</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>67</u> P.S.I.			
G Final Closed-in Pressure	<u>1129</u> P.S.I.			
H Final Hydrostatic Mud	<u>1719</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>15</u> Inc. 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 <u>0</u>	<u>72</u>	<u>0</u>	<u>72</u>	<u>0</u>	<u>68</u>	<u>0</u>	<u>67</u>
P 2 <u>5</u>	<u>72</u>	<u>3</u>	<u>853</u>	<u>5</u>	<u>68</u>	<u>3</u>	<u>700</u>
P 3 <u>10</u>	<u>72</u>	<u>6</u>	<u>962</u>	<u>10</u>	<u>68</u>	<u>6</u>	<u>866</u>
P 4 <u>15</u>	<u>72</u>	<u>9</u>	<u>1002</u>	<u>15</u>	<u>68</u>	<u>9</u>	<u>934</u>
P 5 <u>20</u>	<u>72</u>	<u>12</u>	<u>1032</u>	<u>20</u>	<u>68</u>	<u>12</u>	<u>974</u>
P 6 <u>25</u>	<u>72</u>	<u>15</u>	<u>1051</u>	<u>25</u>	<u>68</u>	<u>15</u>	<u>1000</u>
P 7 <u>30</u>	<u>72</u>	<u>18</u>	<u>1065</u>	<u>30</u>	<u>68</u>	<u>18</u>	<u>1021</u>
P 8 <u>35</u>	<u>72</u>	<u>21</u>	<u>1080</u>	<u>35</u>	<u>68</u>	<u>21</u>	<u>1038</u>
P 9 <u>40</u>	<u>72</u>	<u>24</u>	<u>1093</u>	<u>40</u>	<u>67</u>	<u>24</u>	<u>1053</u>
P10 <u>45</u>	<u>72</u>	<u>27</u>	<u>1105</u>	<u>45</u>	<u>67</u>	<u>27</u>	<u>1068</u>
P11		<u>30</u>	<u>1118</u>	<u>50</u>	<u>67</u>	<u>30</u>	<u>1080</u>
P12		<u>33</u>	<u>1127</u>	<u>55</u>	<u>67</u>	<u>33</u>	<u>1091</u>
P13		<u>36</u>	<u>1135</u>			<u>36</u>	<u>1103</u>
P14		<u>39</u>	<u>1143</u>			<u>39</u>	<u>1114</u>
P15		<u>42</u>	<u>1154</u>			<u>42</u>	<u>1122</u>
P16		<u>45</u>	<u>1160</u>			<u>45</u>	<u>1129</u>
P17							
P18							
P19							
P20							

COMPANY J. A. ALLISON

LEASE AND WELL NO. _____

RENZE #3

SEC. _____

14

TWP. _____

18S

RGE. _____

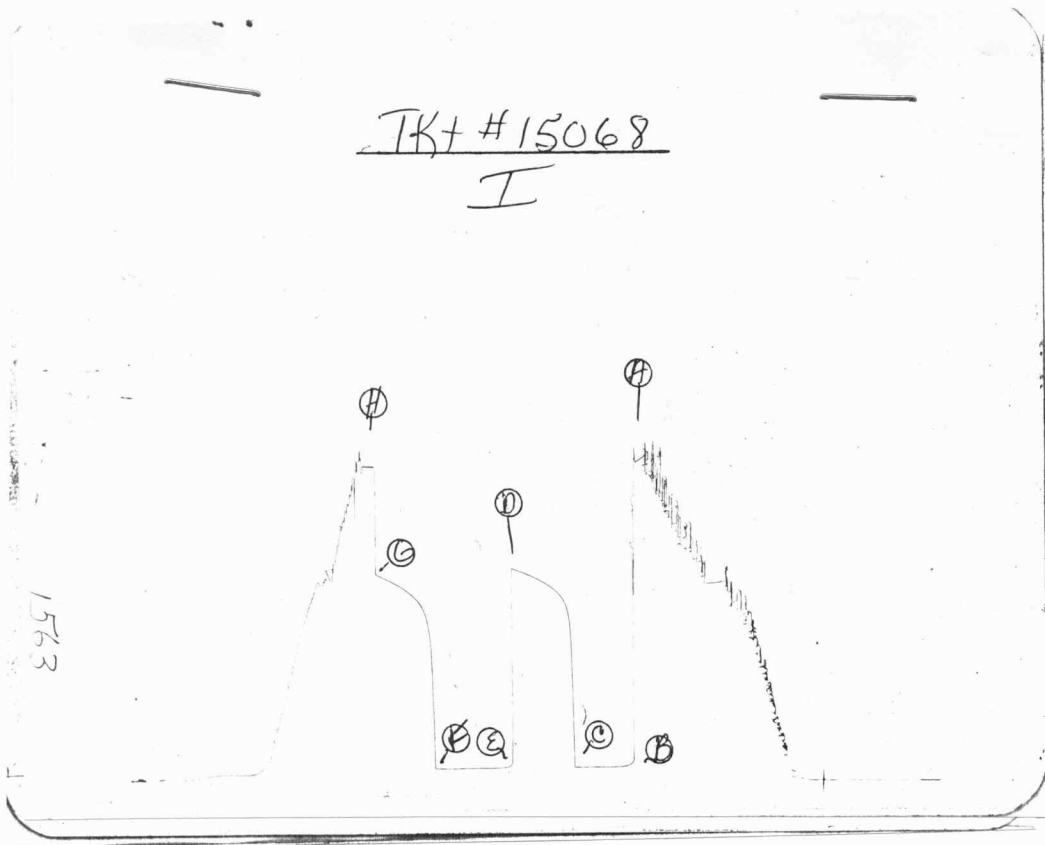
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TEST NO. _____

3

DATE _____

9 / 4 / 81



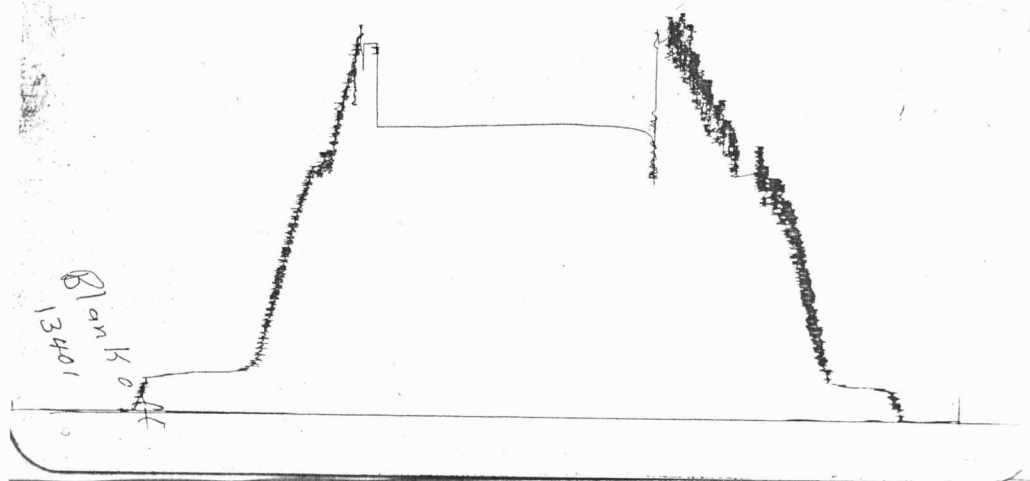
This is an actual photograph of recorder chart.

PRESSURE

POINT

	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1747	1745	PSI
(B) First Initial Flow Pressure	80	72	PSI
(C) First Final Flow Pressure	60	72	PSI
(D) Initial Closed-in Pressure	1144	1160	PSI
(E) Second Initial Flow Pressure	70	68	PSI
(F) Second Final Flow Pressure	60	67	PSI
(G) Final Closed-in Pressure	1094	1129	PSI
(H) Final Hydrostatic Mud	1687	1719	PSI

Wt #15068
Below Straddle



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1747	1745	PSI
(B) First Initial Flow Pressure	80	72	PSI
(C) First Final Flow Pressure	60	72	PSI
(D) Initial Closed-in Pressure	1144	1160	PSI
(E) Second Initial Flow Pressure	70	68	PSI
(F) Second Final Flow Pressure	60	67	PSI
(G) Final Closed-in Pressure	1094	1129	PSI
(H) Final Hydrostatic Mud	1687	1719	PSI