

Date October 8, 1965

Home Office: Great Bend, Kansas

Test Ticket No. 5080Recorder No. 1507

P. O. Box 793 Gladstone 3-7903

Location 4014 Ft.Company Pickrell Drilling Company Lease & Well No. Dubbs #1-FElevation 2535 Kelly Bushings Formation Ft. Scott Ticker Number 5080Date Oct. 8, 1965 Sec. 32 Twp. 16s Range 24w County Ness State KansasTest Approved by Ralph W. Ruwe Western Representative Dean BlagraveFirst Final Flow Pressure 389 P.S.I. Initial Closed-in Pressure 38 Min. 30 Min.Initial Closed-in Pressure 389 P.S.I. Second Flow Pressure 40 Min. 30 Min.Formation Test No. 1 O.K. ☒ Misrun Interval Tested From 4400' to 4460' Total Depth 4460'Size Main Hole 7 7/8 Rat Hole none Conv. ☒ B.T. Damaged Yes x No Conv. B.T. x Damaged Yes x NoPacker Depth 4395 Ft. Size 6 3/4 Packer Depth 4400 Ft. Size 6 3/4Straddle Yes x No Conv. B.T. Damaged Yes NoPacker Depth Ft. SizeTool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 60 Ft. Size 5 1/2 ODRECORDERS Depth 4414 Ft. Clock No. 6774 Depth 4417 Ft. Clock No. 143Top Make Amerada Cap. 4300 No. 1567 Inside Bottom Make Western Cap. 3600 No. 30 Inside OutsideBelow Straddle: Depth Inside Depth InsideTop Make Cap. No. Outside Bottom Make Cap. No. OutsideTime Set Packer 12:27P MTool Open I.F.P. From 12:30 M to 12:35 M Hr. 5 Min. From (B) 38 P.S.I. To (C) 38 P.S.I.Tool Closed I.C.I.P. From 12:35 M. to 1:05 M. Hr. 30 Min. (D) 389 P.S.I.Tool Open F.F.P. From 1:05 M. to 1:45 M. Hr. 40 Min. From (E) 38 P.S.I. To (F) 41 P.S.I.Tool Closed F.C.I.P. From 1:45 M. to 2:15 M. Hr. 30 Min. (G) 60 P.S.I.Initial Hydrostatic Pressure (A) 2502 P.S.I. Final Hydrostatic Pressure (H) 2482 P.S.I.SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of FlowINFORMATION M.M.M.M.M.BLOW Very weak for 15 minutes. Bottom Choke Size 3/4 In.Did Well Flow Yes x No Recovery Total Ft. 10' mud

Mud

Reversed Out Yes x No Mud Type starch Viscosity 45 Weight 10.2 Maximum Temp. 114 °FEXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make Ser. No.Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yesLength Drill Pipe ft. I.D. Drill Pipe in Length Weight Pipe 1045 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.I. D. Drill Collars in. Length D.S.T. Tool 18 ft.Remarks Flushed at 20 minutes.P20

WESTERN TESTING CO., INC.

Pressure Data

Date **October 8, 1965**Test Ticket No. **5080**Recorder No. **1567**Capacity **4300**Location **4414** Ft.Clock No. **6774**Elevation **2535 Kelly Bushings**Well Temperature **114** °F

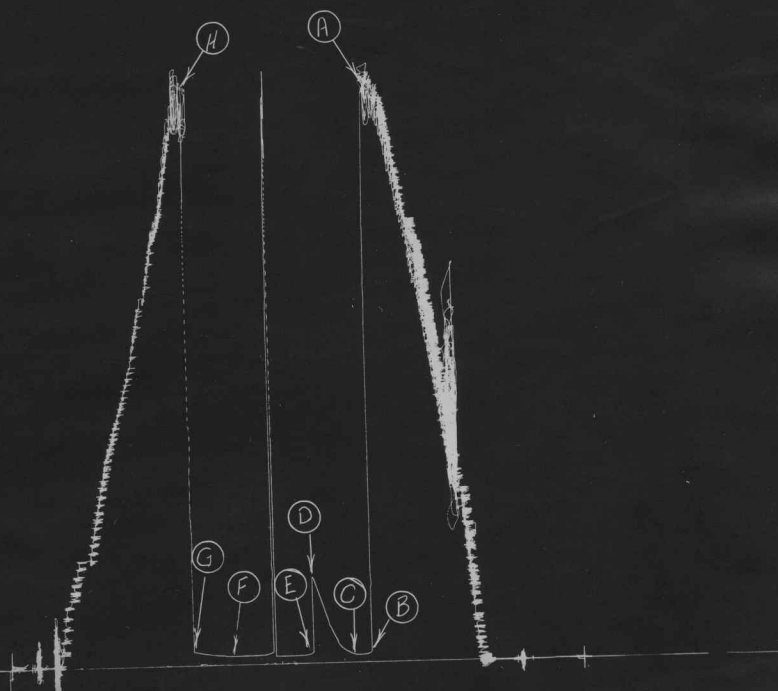
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2502 P.S.I.	Opened Tool	12:27P M	
B First Initial Flow Pressure	38 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	389 P.S.I.	Second Flow Pressure	40 Mins.	40 Mins.
E Second Initial Flow Pressure	38 P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure	41 P.S.I.			
G Final Closed-in Pressure	60 P.S.I.			
H Final Hydrostatic Mud	2482 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 1 Inc.		Breakdown: 10 Inc.		Breakdown: 8 Inc.		Breakdown: 9 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	38	0	38	0	38	0	41
P 2 5	38	3	39	5	38	3	41
P 3		6	41	10	38	6	41
P 4		9	51	15	38	9	43
P 5		12	66	20	38	12	45
P 6		15	103	25	41	15	48
P 7		18	149	30	41	18	53
P 8		21	211	35	41	21	56
P 9		24	285	40	41	24	58
P10		27	350			27	60
P11		30	389				
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Dubb "F" #1

Test #1
TKT#5080



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2502	PSI
(B) First Initial Flow Pressure	38	PSI
(C) First Final Flow Pressure	38	PSI
(D) Initial Closed-in Pressure	389	PSI
(E) Second Initial Flow Pressure	38	PSI
(F) Second Final Flow Pressure	41	PSI
(G) Final Closed-in Pressure	60	PSI
(H) Final Hydrostatic Mud	2482	PSI

HOME OFFICE

GREAT BEND, KANSAS

P. O. BOX 793

Phone 3494

Date October 9, 1965

Home Office: Great Bend, Kansas

Test Ticket No. 5081Recorder No. 1567

P. O. Box 793

GLadstone 3-7903

Location 4504Company Pickrell Drilling CompanyLease & Well No. Dubbs #1-FElevation 2535 Kelly Bushings Formation Miss.Ticket Number 5081Date Oct. 9, 1965 Sec. 32 Twp. 16W Range 24W County Ness State KansasTest Approved by Ralph W. RuwweWestern Representative Dean BlagroveFormation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4514' to 4520' Total Depth 4520'Size Main Hole 7 7/8 at Hole none Conv. ☐ B.T. ☒ Damaged ☒ Yes ☐ No ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐Packer Depth 4509 Ft. Size 6 3/4 Packer Depth 4514 Ft. Size 6 3/4Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐Packer Depth Ft. Size Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 6 Ft. Size 5 1/2 ODRECORDERS Depth 4504 Ft. Clock No. 6774 Depth 4516 Ft. Clock No. 143Top Make Amerada Cap. 4300 No. 1567 Inside 4514 Bottom Make Western Cap. 3600 No. 30 Outside 4516Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Inside Top Make Cap. No. Outside Bottom Make Cap. No. Outside Time Set Packer 8:47 A MTool Open I.F.P. From 8:50 M to 9:00 M Hr. 10 Min. From (B) 2 P.S.I. To (C) 2 P.S.I.Tool Closed I.C.I.P. From 9:00 M. to 9:30 M. Hr. 30 Min. (D) 2 P.S.I.Tool Open F.F.P. From 9:30 M. to 10:30 M. 1 Hr. Min. From (E) 2 P.S.I. To (F) 2 P.S.I.Tool Closed F.C.I.P. From 10:30 A. to 11:00 A. Hr. 30 Min. (G) 8 P.S.I.Initial Hydrostatic Pressure (A) 2556 P.S.I. Final Hydrostatic Pressure (H) 2542 P.S.I.SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow INFORMATION BLOW Weak for ten minutes. Bottom Choke Size 3/4 In.Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 10' mud with few specks oilReversed Out ☒ Yes ☐ No Mud Type starch Viscosity 45 Weight 10.2 Maximum Temp. 119 °FEXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make Ser. No. Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yesLength Drill Pipe ft. I.D. Drill Pipe in Length Weight Pipe 1075 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.I. D. Drill Collars in. Length D.S.T. Tool 23 ft.Remarks Flushed @ 30 and 55 minutes.

WESTERN TESTING CO., INC.

Pressure Data

Date October 9, 1965Test Ticket No. 5081Recorder No. 1567Capacity 4300Location 4504 Ft.Clock No. 6774Elevation 2535 Kelly BushingsWell Temperature 119 °F

Point

Pressure

Time
GivenTime
Computed

A	Initial Hydrostatic Mud	<u>2556</u>	P.S.I.	Opened Tool	<u>8:47A</u> M	
B	First Initial Flow Pressure	<u>2</u>	P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C	First Final Flow Pressure	<u>2</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D	Initial Closed-in Pressure	<u>2</u>	P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E	Second Initial Flow Pressure	<u>2</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>28</u> Mins.
F	Second Final Flow Pressure	<u>2</u>	P.S.I.			
G	Final Closed-in Pressure	<u>8</u>	P.S.I.			
H	Final Hydrostatic Mud	<u>2542</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

Initial Shut-In

Second Flow Pressure

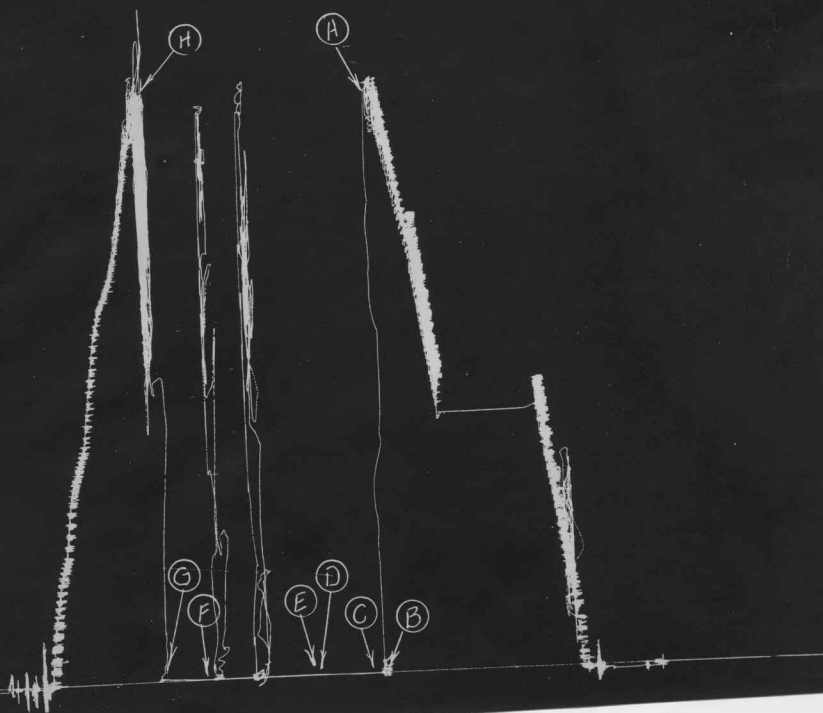
Final Shut-In

Breakdown: 2 Inc.Breakdown: 10 Inc.Breakdown: 12 Inc.Breakdown: 9 Inc.of 5 mins. and aof 3 mins. and aof 5 mins. and aof 3 mins. and afinal inc. of 0 Min.final inc. of 0 Min.final inc. of 0 Min.final inc. of 1 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>2</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>2</u>
P 2 <u>5</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>5</u>	<u>2</u>	<u>3</u>	<u>2</u>
P 3 <u>10</u>	<u>2</u>	<u>6</u>	<u>2</u>	<u>10</u>	<u>2</u>	<u>6</u>	<u>3</u>
P 4		<u>9</u>	<u>2</u>	<u>15</u>	<u>2</u>	<u>9</u>	<u>3</u>
P 5		<u>12</u>	<u>2</u>	<u>20</u>	<u>2</u>	<u>12</u>	<u>4</u>
P 6		<u>15</u>	<u>2</u>	<u>25</u>	<u>2</u>	<u>15</u>	<u>4</u>
P 7		<u>18</u>	<u>2</u>	<u>30</u>	<u>2</u>	<u>18</u>	<u>5</u>
P 8		<u>21</u>	<u>2</u>	<u>35</u>	<u>2</u>	<u>21</u>	<u>5</u>
P 9		<u>24</u>	<u>2</u>	<u>40</u>	<u>2</u>	<u>24</u>	<u>6</u>
P10		<u>27</u>	<u>2</u>	<u>45</u>	<u>2</u>	<u>27</u>	<u>7</u>
P11		<u>30</u>	<u>2</u>	<u>50</u>	<u>2</u>	<u>28</u>	<u>8</u>
P12				<u>55</u>	<u>2</u>		
P13				<u>60</u>	<u>2</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

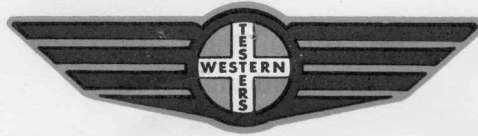
Pickrell Drilling Co.
Dubb's "F" #1

TEST # 2
TKT # 5081



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	2556 PSI
(B) First Initial Flow Pressure	2 PSI
(C) First Final Flow Pressure	2 PSI
(D) Initial Closed-in Pressure	2 PSI
(E) Second Initial Flow Pressure	2 PSI
(F) Second Final Flow Pressure	2 PSI
(G) Final Closed-in Pressure	8 PSI
(H) Final Hydrostatic Mud	2542 PSI



Home Office: Great Bend, Kansas

P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Dubbs #F-1
Elevation 2535 Kelly Bushings Formation Miss. Ticket Number 5082
Date Oct. 10, 1965 Sec. 32 Twp. 16S Range 24W County Ness State Kansas
Test Approved by Ralph W. Ruwe Western Representative Dean Blagrove

Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 4414' to 4425' Total Depth 4425'
Size Main Hole 7 7/8 at Hole none Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐
Packer Depth 4409 Ft. Size 6 3/4 Packer Depth 4414 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 FH Anchor Length 11 Ft. Size 5 1/2 OD
RECORDERS Depth 4418 Ft. Clock No. 6774 Depth 4421 Ft. Clock No. 143
Top Make Amerada Cap. 4300 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 Inside Outside
Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 4:07 A M
Tool Open I.F.P. From 4:10 M to 4:15 M Hr. 5 Min. From (B) 17 P.S.I. To (C) 17 P.S.I.
Tool Closed I.C.I.P. From 4:15 M. to 4:45 M. Hr. 30 Min. (D) 21 P.S.I.
Tool Open F.F.P. From 4:45 M. to 6:45 M. 1 Hr. Min. From (E) 17 P.S.I. To (F) 17 P.S.I.
Tool Closed F.C.I.P. From 6:45 M. to 6:15 M. Hr. 30 Min. (G) 17 P.S.I.
Initial Hydrostatic Pressure (A) 2565 P.S.I. Final Hydrostatic Pressure (H) 2548 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION

BLOW Weak for five minutes. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 10' mud with few specks oil

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 49 Weight 10.6 Maximum Temp. Therm. Broken °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe ft. I.D. Drill Pipe in Length Weight Pipe 1045 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars in. Length D.S.T. Tool 18 ft.

Remarks Flushed @ 30 minutes.

WESTERN TESTING CO., INC.

Pressure Data

Date October 10, 1965Test Ticket No. 5082Recorder No. 1567Capacity 4300Location 4418 Ft.Clock No. 6774Elevation 2535 Kelly BushingsWell Temperature Broken °F

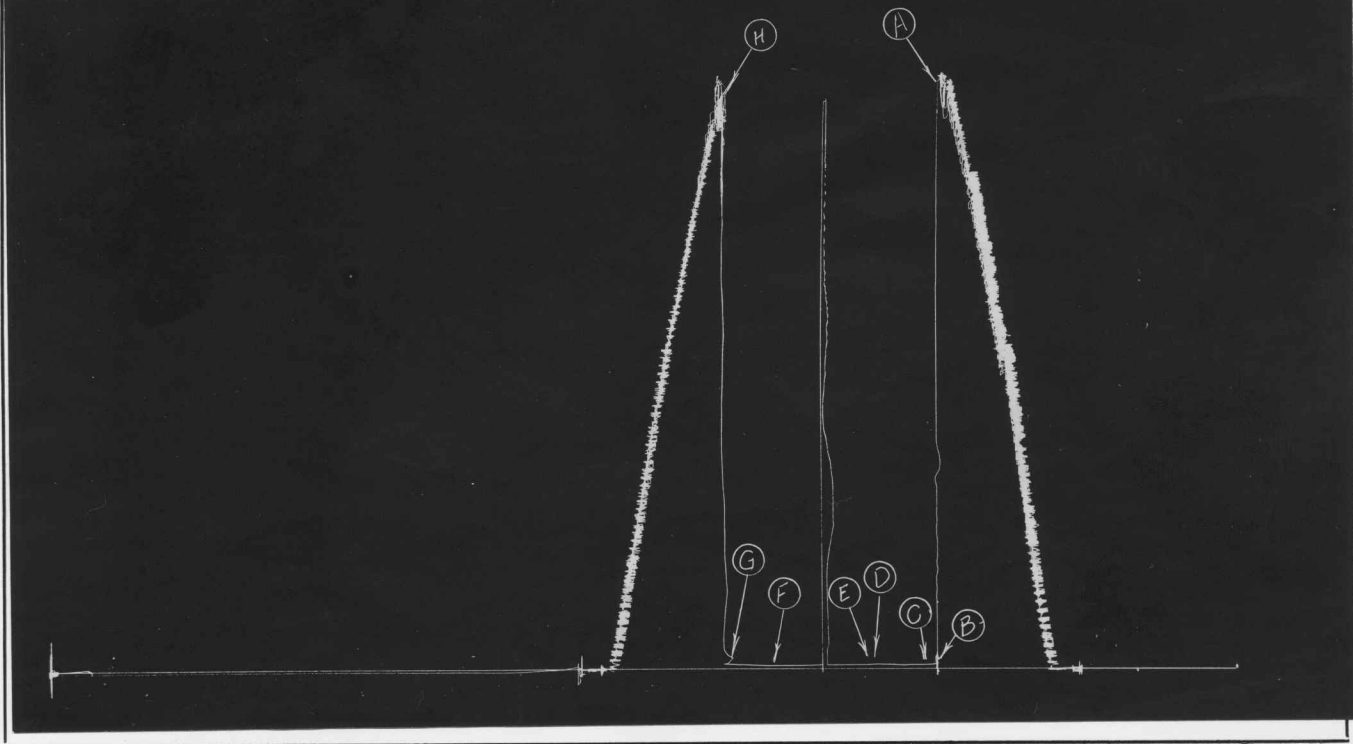
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2565 P.S.I.	Opened Tool	4:07 A	M
B First Initial Flow Pressure	17 P.S.I.	First Flow Pressure	5	5
C First Final Flow Pressure	17 P.S.I.	Initial Closed-in Pressure	30	30
D Initial Closed-in Pressure	21 P.S.I.	Second Flow Pressure	60	60
E Second Initial Flow Pressure	17 P.S.I.	Final Closed-in Pressure	30	30
F Second Final Flow Pressure	17 P.S.I.			
G Final Closed-in Pressure	17 P.S.I.			
H Final Hydrostatic Mud	2548 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>10</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>17</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>
P 2 <u>5</u>	<u>17</u>	<u>3</u>	<u>17</u>	<u>5</u>	<u>17</u>	<u>3</u>	<u>17</u>
P 3		<u>6</u>	<u>17</u>	<u>10</u>	<u>17</u>	<u>6</u>	<u>17</u>
P 4		<u>9</u>	<u>18</u>	<u>15</u>	<u>17</u>	<u>9</u>	<u>17</u>
P 5		<u>12</u>	<u>18</u>	<u>20</u>	<u>17</u>	<u>12</u>	<u>17</u>
P 6		<u>15</u>	<u>19</u>	<u>25</u>	<u>17</u>	<u>15</u>	<u>17</u>
P 7		<u>18</u>	<u>19</u>	<u>30</u>	<u>17</u>	<u>18</u>	<u>17</u>
P 8		<u>21</u>	<u>20</u>	<u>35</u>	<u>17</u>	<u>21</u>	<u>17</u>
P 9		<u>24</u>	<u>20</u>	<u>40</u>	<u>17</u>	<u>24</u>	<u>17</u>
P10		<u>27</u>	<u>21</u>	<u>45</u>	<u>17</u>	<u>27</u>	<u>17</u>
P11		<u>30</u>	<u>21</u>	<u>50</u>	<u>17</u>	<u>30</u>	<u>17</u>
P12				<u>55</u>	<u>17</u>		
P13				<u>60</u>	<u>17</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co.
Dubbs "F" #1

TEST #3
TKT# 5032



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2565	PSI
(B) First Initial Flow Pressure	17	PSI
(C) First Final Flow Pressure	17	PSI
(D) Initial Closed-in Pressure	21	PSI
(E) Second Initial Flow Pressure	17	PSI
(F) Second Final Flow Pressure	17	PSI
(G) Final Closed-in Pressure	17	PSI
(H) Final Hydrostatic Mud	2548	PSI

HOME OFFICE

GREAT BEND, KANSAS

P. O. BOX 793

Glenn 2-7903

COMPANY

PICKRELL DRILLING CO.

LEASE AND WELL NO.

DUBBS #F-1

SEC.

32

TWP.

16S

RGE.

24W

TEST NO.

3

DATE

10-10-65



Date October 10, 1965

Home Office: Great Bend, Kansas

Test Ticket No. 5083

Recorder No. 1567

P. O. Box 793

Gladstone 3-7903

Location 4535

Company Packrell Drilling Company

Lease & Well No. Dubbs #F-1

Elevation 2535 Kelly Bushings Formation Miss.

Ticket Number 5083

Date Oct. 10, 1965 Sec. 32 Twp. 16s Range 24w County Ness State Kansas

Test Approved by Ralph W. Ruwwe

Western Representative Dean Blagrave

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 4525' to 4535' Total Depth 4535'

Size Main Hole 7 7/8 Rat Hole None Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged Yes ☒ No ☐

Packer Depth 4520 Ft. Size 6 3/4 Packer Depth 4525 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 FH Anchor Length 10 Ft. Size 5 1/2 OD

RECORDERS Depth 4528 Ft. Clock No. 6774 Depth 4531 Ft. Clock No. 143

Top Make Amerada Cap. 4300 No. 1567 Inside Bottom Make Western Cap. 3600 No. 30 Inside

Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Inside

Top Make Cap. No. Inside Bottom Make Cap. No. Inside

Time Set Packer 9:17P M

Tool Open I.F.P. From 9:20 M to 9:30 M Hr. 10 Min. From (B) 10 P.S.I. To (C) 15 P.S.I.

Tool Closed I.C.I.P. From 9:30 M. to 10:00 M. Hr. 30 Min. (D) 1247 P.S.I.

Tool Open F.F.P. From 10:00P M. to 11:30P M. 1 Hr. 30 Min. From (E) 38 P.S.I. To (F) 118 P.S.I.

Tool Closed F.C.I.P. From 11:30 M. to 12:00 M. Hr. 30 Min. (G) 1206 P.S.I.

Initial Hydrostatic Pressure (A) 2585 P.S.I. Final Hydrostatic Pressure (H) 2556 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow

INFORMATION M.

 M.

 M.

BLOW Weak increasing to fair. Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 190' clean oil; 60' oil cut mud; 50' slightly oil cut

watery mud Mud

Reversed Out Yes ☒ No ☐ Mud Type starch Viscosity 55 Weight 10.3 Maximum Temp. 117 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe ft. I.D. Drill Pipe in Length Weight Pipe 1045 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none

I. D. Drill Collars in. Length D.S.T. Tool 18 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date **October 10, 1965**Test Ticket No. **5083**Recorder No. **1567**Capacity **4300**Location **4528** Ft.Clock No. **6774**Elevation **2535 Kelly Bushings**Well Temperature **117** °F

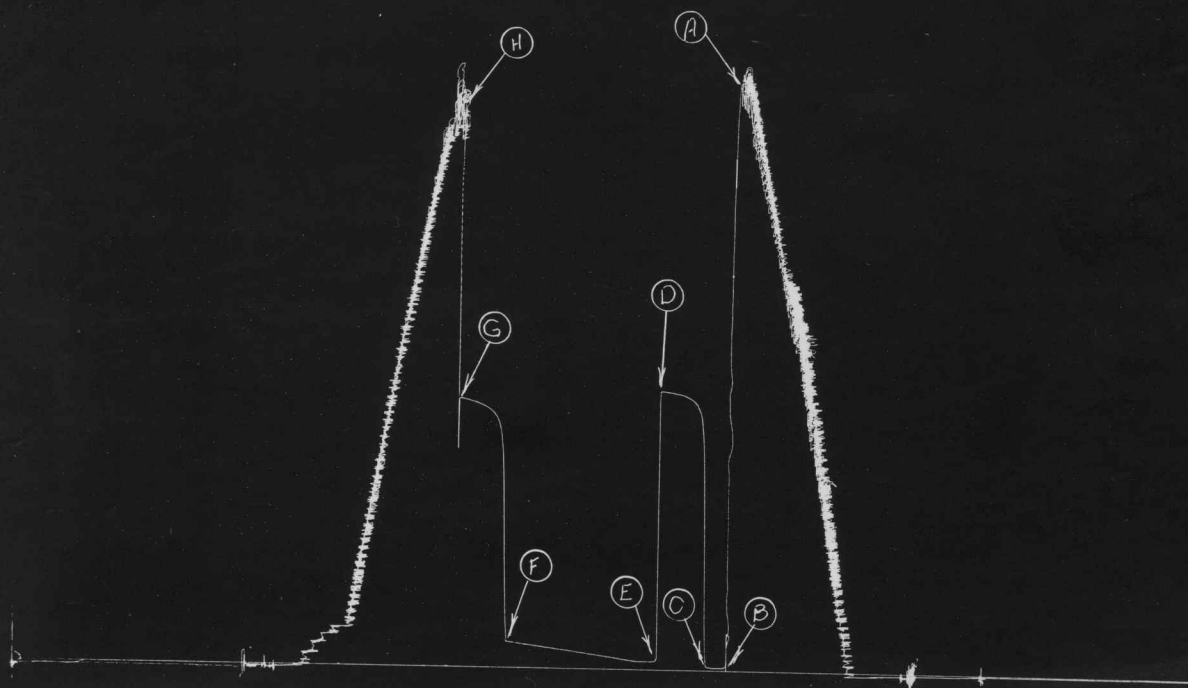
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2585 P.S.I.	Opened Tool	9:17 P M	
B First Initial Flow Pressure	10 P.S.I.	First Flow Pressure	10 Mins.	10 Mins.
C First Final Flow Pressure	15 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1247 P.S.I.	Second Flow Pressure	90 Mins.	89 Mins.
E Second Initial Flow Pressure	38 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	118 P.S.I.			
G Final Closed-in Pressure	1206 P.S.I.			
H Final Hydrostatic Mud	2556 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 2 Inc.		Breakdown: 10 Inc.		Breakdown: 17 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 4 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	10	0	15	0	38	0	118
P 2 5	12	3	648	5	38	3	654
P 3 10	15	6	1150	10	38	6	1075
P 4		9	1199	15	39	9	1131
P 5		12	1215	20	43	12	1156
P 6		15	1227	25	50	15	1172
P 7		18	1234	30	58	18	1180
P 8		21	1238	35	64	21	1187
P 9		24	1242	40	71	24	1193
P10		27	1247	45	75	27	1202
P11		30	1247	50	79	30	1206
P12				55	86		
P13				60	90		
P14				65	95		
P15				70	99		
P16				75	105		
P17				80	110		
P18				85	114		
P19				89	118		
P20							

Pickrell Drilling Co.
Dubbs "F" #1

Test # 4
TKT # 5083



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	2585 PSI
(B) First Initial Flow Pressure	10 PSI
(C) First Final Flow Pressure	15 PSI
(D) Initial Closed-in Pressure	1247 PSI
(E) Second Initial Flow Pressure	38 PSI
(F) Second Final Flow Pressure	118 PSI
(G) Final Closed-in Pressure	1206 PSI
(H) Final Hydrostatic Mud	2556 PSI

Date October 11, 1965

Home Office: Great Bend, Kansas

Test Ticket No. 5084Recorder No. 1567

P. O. Box 793 Gladstone 3-7903

Location 4525 Ft.Company Pickrell Drilling Company Lease & Well No. Dubbs #F-1Elevation 2535 Kelly Bushings Formation Miss. Ticket Number 5084Date Oct. 11, 1965 Sec. 32 Twp. 16S Range 24W County Ness State KansasTest Approved by Ralph W. Ruwwe Western Representative Dean BlagroveC First Final Flow Pressure 8 P.S.I. Initial Closed-in Pressure 80 Min. 32 Min.D Initial Closed-in Pressure 1148 P.S.I. Second Flow Pressure 90 Min. 90 Min.Formation Test No. 5 O.K. ☒ Misrun Interval Tested From 4535' to 4540' Total Depth 4540'Size Main Hole 7 7/8 Rat Hole none Conv. ☒ B.T. Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ NoG Final Closed-in Pressure Packer Depth 4530 Ft. Size 6 3/4 Packer Depth 4535 Ft. Size 6 3/4Straddle Yes ☒ No Conv. B.T. Damaged Yes No

Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 5 Ft. Size 5 1/2 ODRECORDERS Depth 4525 Ft. Clock No. 6774 Depth 4537 Ft. Clock No. 143Top Make Amerada Cap. 4300 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 Inside Outside

Below Straddle: Depth Clock No. Outside Depth Ft. Clock No. Outside

Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 7:02 P MTool Open I.F.P. From 7:05 M to 7:13 M Hr. 8 Min. From (B) 4 P.S.I. To (C) 8 P.S.I.Tool Closed I.C.I.P. From 7:13 M. to 7:43 M. Hr. 30 Min. (D) 1148 P.S.I.Tool Open F.F.P. From 7:43 M. to 9:13 M. 1 Hr. 30 Min. From (E) 17 P.S.I. To (F) 43 P.S.I.Tool Closed F.C.I.P. From 9:13 M. to 9:43 M. Hr. 30 Min. (G) 892 P.S.I.Initial Hydrostatic Pressure (A) 2596 P.S.I. Final Hydrostatic Pressure (H) 2565 P.S.I.SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Weak blow throughout increasing slightly Bottom Choke Size 3/4 In.Did Well Flow Yes ☒ No Recovery Total Ft. 90' muddy salt water

_____ Mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 55 Weight 10/3 Maximum Temp. 122 °FEXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make Ser. No.Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yesLength Drill Pipe _____ ft. I.D. Drill Pipe _____ in Length Weight Pipe 1045 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.I. D. Drill Collars _____ in. Length D.S.T. Tool 23 ft.

Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date **October 11, 1965** Test Ticket No. **5084**
Recorder No. **1567** Capacity **4300** Location **4525** Ft.
Clock No. **6774** Elevation **2535 Kelly Bushings** Well Temperature **122** °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2596 P.S.I.	7:02P M	
B First Initial Flow Pressure	4 P.S.I.	8 Mins.	8 Mins.
C First Final Flow Pressure	8 P.S.I.	30 Mins.	32 Mins.
D Initial Closed-in Pressure	1148 P.S.I.	90 Mins.	90 Mins.
E Second Initial Flow Pressure	17 P.S.I.	30 Mins.	32 Mins.
F Second Final Flow Pressure	43 P.S.I.		
G Final Closed-in Pressure	892 P.S.I.		
H Final Hydrostatic Mud	2565 P.S.I.		

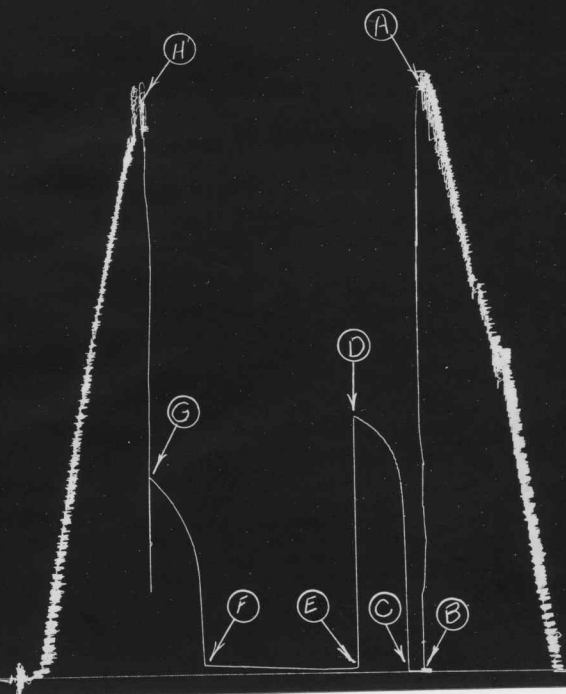
PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 1 Inc.		Breakdown: 10 Inc.		Breakdown: 18 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 3 Min.		final inc. of 2 Min.		final inc. of 0 Min.		final inc. of 2 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	4	0	8	0	17	0	43
P 2 5	5	3	635	5	17	3	450
P 3 8	8	6	892	10	17	6	583
P 4		9	976	15	17	9	650
P 5		12	1019	20	17	12	699
P 6		15	1051	25	17	15	738
P 7		18	1077	30	19	18	775
P 8		21	1098	35	22	21	807
P 9		24	1113	40	25	24	831
P10		27	1129	45	28	27	859
P11		30	1141	50	30	30	881
P12		32	1148	55	32	32	892
P13				60	34		
P14				65	37		
P15				70	39		
P16				75	40		
P17				80	41		
P18				85	42		
P19				90	43		
P20							

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.

Pickrell Drilg. Co.
Dubbs "F" #1

TEST # 5
TKT # 5084



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2596	PSI
(B) First Initial Flow Pressure	4	PSI
(C) First Final Flow Pressure	8	PSI
(D) Initial Closed-in Pressure	1148	PSI
(E) Second Initial Flow Pressure	17	PSI
(F) Second Final Flow Pressure	43	PSI
(G) Final Closed-in Pressure	892	PSI
(H) Final Hydrostatic Mud	2565	PSI