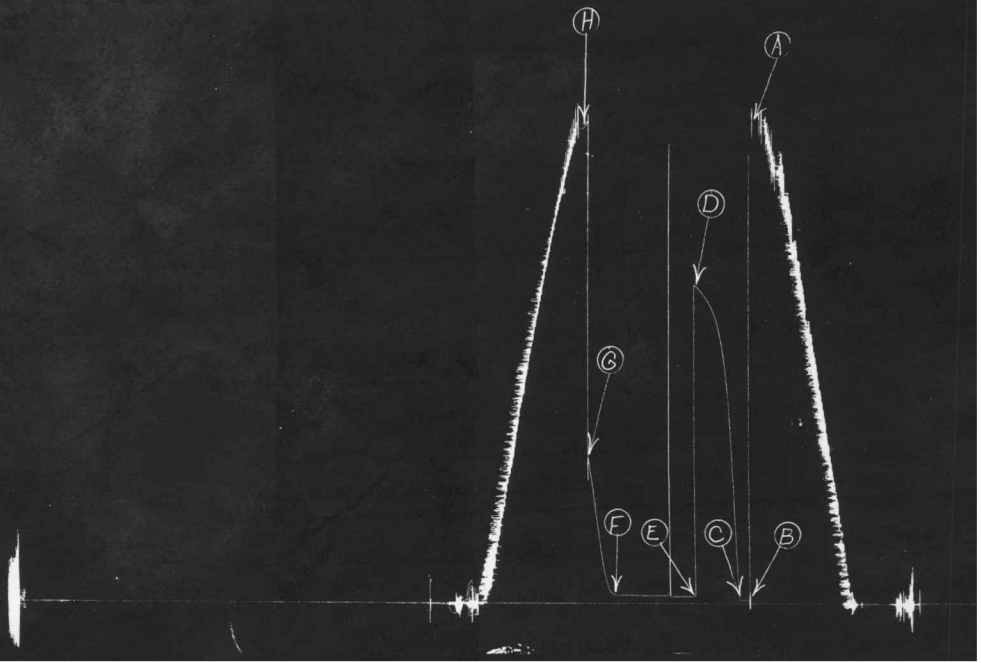
Pickrell Drlg Co
Lottimore B-2

TEST # 1
T.K.T. # 427



Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Co. Lease & Well No. Lottimore B #2

Elevation 1663' D.F. Ticket Number 4276

Date 4-3-64 Sec. 30 Twp. 20 Range 9 County Kingman State Kansas

Test Approved by Donald J. Malone Western Representative George Tefft

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Formation Test No. 1 O.K. X Misrun ____ Interval Tested From 4326' to 4350' Total Depth 4350'

Size Main Hole 7 7/8" Rat Hole None Conv. X B.T. ____ Damaged ____ Yes X No Conv. ____ B.T. X Damaged ____ Yes X No

Packer Depth 4326 Ft. Size 6 3/4" Packer Depth 4321 Ft. Size 6 3/4"

Straddle ____ Yes ____ No X Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5½" OD Tool Jt. Size 4½" FH Anchor Length 24 Ft. Size 5½" OD

RECORDERS Depth 4340 Ft Clock No. 6861 Depth 4343 Ft. Clock No. 144

Top Make Amerada Cap. 4200# No. 1558 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 60 ~~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

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Time Set Packer 8:18P M

Tool Open I.F.P. From 8:21P M to 8:26P M - Hr. 5 Min. From (B) 13 P.S.I. To (C) 13 P.S.I.

Tool Closed I.C.I.P. From 8:26P M. to 8:56P M. - Hr. 30 Min. (D) 1586 P.S.I.

Tool Open F.F.P. From 8:56P M. to 9:50P M. - Hr. 54 Min. From (E) 34 P.S.I. To (F) 39 P.S.I.

Tool Closed F.C.I.P. From 9:50P M. to 10:05P M. - Hr. 15 Min. (G) 721 P.S.I.

Inital Hydrostatic Pressure (A) 2391 P.S.I. Final Hydrostatic Pressure (H) 2375 P.S.I.

SURFACE INFORMATION

Size Choke	Max. Press. P.S.I.	Time	Description of Flow
1/2 In.		M.	
		M.	
		M.	

BLOW Few bubbles when tool opened Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes X No Recovery Total Ft. 15' Mud

Mud

Reversed Out ____ Yes X No Mud Type Starch Viscosity 48 Weight 10.1 Maximum Temp. 123 °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 3586 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 720 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 44 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date 4-3-64 Test Ticket No. 4276

Recorder No. 1558 Capacity 4200# Location 4340 Ft.

Clock No. 6861 Elevation 1663' D.F. Well Temperature 123 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2391	P.S.I.
B	First Initial Flow Pressure	13	P.S.I.
C	First Final Flow Pressure	13	P.S.I.
D	Initial Closed-in Pressure	1586	P.S.I.
E	Second Initial Flow Pressure	34	P.S.I.
F	Second Final Flow Pressure	39	P.S.I.
G	Final Closed-in Pressure	721	P.S.I.
H	Final Hydrostatic Mud	2375	P.S.I.

	Time Given		Time Computed	
Opened Tool	8:21P	M	8:21 PM	
First Flow Pressure	5	Mins.	7	Mins.
Initial Closed-in Pressure	30	Mins.	33	Mins.
Second Flow Pressure	54	Mins.	54	Mins.
Final Closed-in Pressure	15	Mins.	20	Mins.

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 2 Min.

Point Mins.	Press.
P 1 0	13
P 2 5	13
P 3 7	13
P 4	
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of - Min.

Point Minutes	Press.
0	13
3	232
6	518
9	808
12	1106
15	1267
18	1368
21	1445
24	1497
27	1535
30	1563
33	1586

Second Flow Pressure
Breakdown: 10 Inc.
of 5 mins. and a
final inc. of 4 Min.

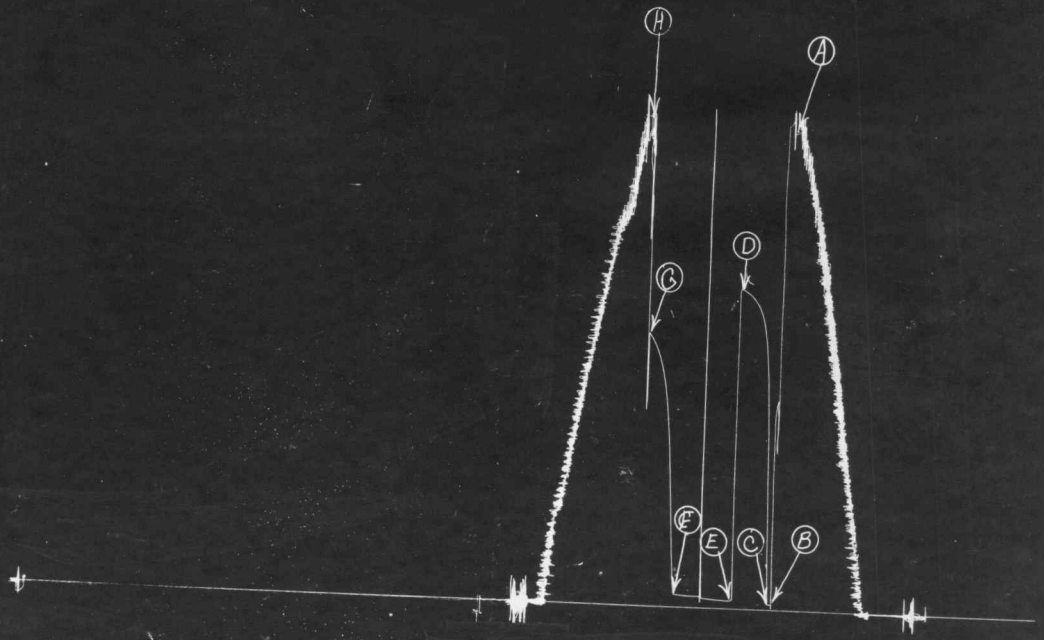
Point Minutes	Press.
0	34
5	34
10	34
15	34
20	37
25	37
30	37
35	37
40	37
45	38
50	38
54	39

Final Shut-In
Breakdown: 6 Inc.
of 3 mins. and a
final inc. of 2 Min.

Point Minutes	Press.
0	39
3	46
6	88
9	177
12	320
15	464
18	601
20	721

PicKreLL DrLg. Co.
LottimoRe # B-2

Test # 2
T.K.T. # 4277



WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Lottimore B #2

Elevation 1663' D.F. Ticket Number 4277

Date 4-4-64 Sec. 30 Twp. 20 Range 9 County Kingman State Kansas

Test Approved by Donald J. Malone Western Representative George Tew

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Formation Test No. 2 O.K. X Misrun ____ Interval Tested From 4350' to 4370' Total Depth 4370'

Size Main Hole 7 7/8" Rat Hole None Conv. X B.T. ____ Damaged ____ Yes X No Conv. ____ B.T. X Damaged ____ Yes X No

Packer Depth 4350 Ft. Size 6 3/4" Packer Depth 4345 Ft. Size 6 3/4"

Straddle ____ Yes ____ No X Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5½" OD Tool Jt. Size 4½" FH Anchor Length 20 Ft. Size 5½" OD

RECORDERS Depth 4364 Ft Clock No. 6861 Depth 4367 Ft. Clock No. 144

Top Make Amerada Cap. 4200# No. 1558 Inside Outside Bottom Make Western Cap. 4000# No. 60 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

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Time Set Packer 7:04A M

Tool Open I.F.P. From 7:10A M to 7:15A M - Hr. 5 Min. From (B) 25 P.S.I. To (C) 29 P.S.I.

Tool Closed I.C.I.P. From 7:15A M. to 7:35A M. - Hr. 20 Min. (D) 1596 P.S.I.

Tool Open F.F.P. From 7:35A M. to 8:15A M. - Hr. 40 Min. From (E) 40 P.S.I. To (F) 63 P.S.I.

Tool Closed F.C.I.P. From 8:15A M. to 8:35A M. - Hr. 20 Min. (G) 1359 P.S.I.

Inital Hydrostatic Pressure (A) 2387 P.S.I. Final Hydrostatic Pressure (H) 2371 P.S.I.

SURFACE INFORMATION Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Weak for 2 mins. - Flushed tool - No help Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes X No Recovery Total Ft. 80' Thin Mud

Mud

Reversed Out ____ Yes X No Mud Type Starch Viscosity 47 Weight 10.1 Maximum Temp. 123 °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 3610 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 720 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 40 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date 4-4-64 Test Ticket No. ~~4278~~ 4277

Recorder No. 1558 Capacity 4200# Location 4364 Ft.

Clock No. 6861 Elevation 1663' D.F. Well Temperature 123 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	2387 P.S.I.	Opened Tool	7:10A	M	7:10 AM	
B	First Initial Flow Pressure	25 P.S.I.	First Flow Pressure	5	Mins.	3	Mins.
C	First Final Flow Pressure	29 P.S.I.	Initial Closed-in Pressure	20	Mins.	23	Mins.
D	Initial Closed-in Pressure	1596 P.S.I.	Second Flow Pressure	40	Mins.	40	Mins.
E	Second Initial Flow Pressure	40 P.S.I.	Final Closed-in Pressure	20	Mins.	21	Mins.
F	Second Final Flow Pressure	63 P.S.I.					
G	Final Closed-in Pressure	1359 P.S.I.					
H	Final Hydrostatic Mud	2371 P.S.I.					

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 3 mins. and a
final inc. of - Min.

Initial Shut-In
Breakdown: 7 Inc.
of 3 mins. and a
final inc. of 2 Min.

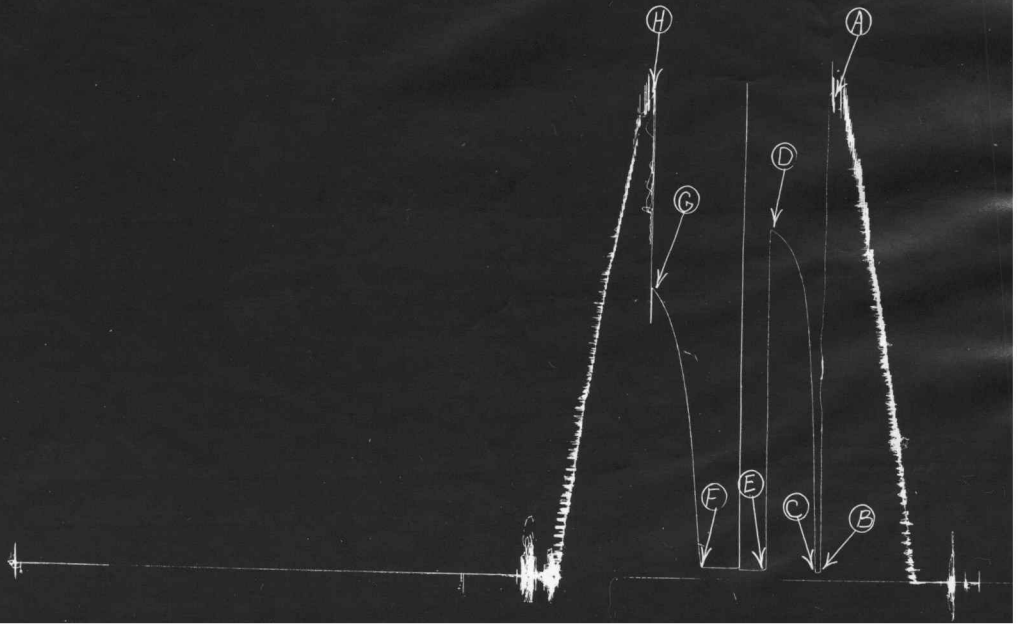
Second Flow Pressure
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of - Min.

Final Shut-In
Breakdown: 7 Inc.
of 3 mins. and a
final inc. of - Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	25	0	29	0	40	0	63
P 2	3	29	3	443	5	42	3	295
P 3			6	1146	10	44	6	673
P 4			9	1403	15	46	9	1009
P 5			12	1485	20	48	12	1140
P 6			15	1529	25	55	15	1229
P 7			18	1559	30	56	18	1290
P 8			21	1582	35	61	21	1359
P 9			23	1596	40	63		
P10								
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

Pickrell Drlg. Co.
Lottimore B-2

Test # 3
T.K.T # 4278



WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Lottimore B #2

Elevation 1663' D.F. Ticket Number 4278

Date 4-5-64 Sec. 30 Twp. 20 Range 9 County Kingman State Kansas

Test Approved by Donald J. Malone Western Representative George Tew

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Formation Test No. 3 O.K. X Misrun ____ Interval Tested From 4370' to 4410' Total Depth 4410'

Size Main Hole 7 7/8" Rat Hole None Conv. X B.T. ____ Damaged ____ Yes X No Conv. ____ B.T. X Damaged ____ Yes X No

Packer Depth 4370 Ft. Size 6 3/4" Packer Depth 4365 Ft. Size 6 3/4"

Straddle ____ Yes ____ No X Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft Size ____

Tool Size 5½" OD Tool Jt. Size 4½" FH Anchor Length 40 Ft. Size 5½" OD

RECORDERS Depth 4403 Ft Clock No. 6861 Depth 4406 Ft. Clock No. 144

Top Make Amerada Cap. 4200# No. 1558 Inside Outside Bottom Make Western Cap. 4000# No. 60 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

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Time Set Packer 10:32P M

Tool Open I.F.P. From 10:38P M to 10:40P M - Hr. 5 Min. From (B) 42 P.S.I. To (C) 42 P.S.I.

Tool Closed I.C.I.P. From 10:40P M. to 11:10P M. - Hr. 30 Min. (D) 1746 P.S.I.

Tool Open F.F.P. From 11:10P M. to 11:55P M. - Hr. 45 Min. From (E) 48 P.S.I. To (F) 54 P.S.I.

Tool Closed F.C.I.P. From 11:55P M. to 12:25A M. - Hr. 30 Min. (G) 1437 P.S.I.

Inital Hydrostatic Pressure (A) 2401 P.S.I. Final Hydrostatic Pressure (H) 2401 P.S.I.

SURFACE INFORMATION Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Few bubbles when tool opened - Flushed tool No help Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes X No Recovery Total Ft. 50' Drilling Mud

Mud

Reversed Out ____ Yes X No Mud Type Starch Viscosity 47 Weight 10.1 Maximum Temp. 120 °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 3630 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 720 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D. S. T. Tool 60 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date 4-5-64 Test Ticket No. 4278

Recorder No. 1558 Capacity 4200# Location 4403 Ft.

Clock No. 6861 Elevation 1663' D.F. Well Temperature 120 °F

Point		Pressure
A	Initial Hydrostatic Mud	2401 P.S.I.
B	First Initial Flow Pressure	42 P.S.I.
C	First Final Flow Pressure	42 P.S.I.
D	Initial Closed-in Pressure	1746 P.S.I.
E	Second Initial Flow Pressure	48 P.S.I.
F	Second Final Flow Pressure	54 P.S.I.
G	Final Closed-in Pressure	1437 P.S.I.
H	Final Hydrostatic Mud	2401 P.S.I.

	Time Given	Time Computed
Opened Tool	10:35 P M	10:35 PM
First Flow Pressure	5 Mins.	3 Mins.
Initial Closed-in Pressure	30 Mins.	32 Mins.
Second Flow Pressure	45 Mins.	44 Mins.
Final Closed-in Pressure	30 Mins.	33 Mins.

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 3 mins. and a
final inc. of - Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 2 Min.

Second Flow Pressure
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of 4 Min.

Final Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of - Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	42	0	42	0	48	0	54
P 2 3	42	3	558	5	48	3	105
P 3		6	975	10	48	6	464
P 4		9	1311	15	48	9	693
P 5		12	1468	20	54	12	832
P 6		15	1556	25	54	15	985
P 7		18	1615	30	54	18	1092
P 8		21	1662	35	54	21	1179
P 9		24	1694	40	54	24	1250
P10		27	1717	44	54	27	1311
P11		30	1734			30	1361
P12		32	1746			33	1437
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							