WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Casey #1

Elevation 2171 Derrick Floor; Formation=Chero. Sand Ticket Number 5506

Date Dec.9,1964 Sec. 36 Twp. 17 Range 21 County Ness State Kansas

Test Approved by George E. Link Western Representative Jack Toelkes

Formation Test No. 1 O.K. X Misrun ____ Interval Tested From 4094' to 4150' Total Depth 4150'

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

Packer Depth 4089 Ft. Size 6 3/4 Packer Depth 4094 Ft. Size 6 3/4

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

Packer Depth ____ Ft Size ____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2FH Anchor Length 56 Ft. Size 26' 5 1/2"OD 1-D.C.

RECORDERS Depth 4137 Ft Clock No. 6892 Depth 4140 Ft. Clock No. 147

Top Make Amerada Cap. 4382 No. 1567 Inside ~~Outside~~ Bottom Make Western Cap. 3000 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 11:40 A M

Tool Open I.F.P. From 11:42A M to 11:43A M Hr. 1 Min. From (B) 376 P.S.I. To (C) 376 P.S.I.

Tool Closed I.C.I.P. From 11:43A M. to 12:13P M. Hr. 30 Min. (D) 1206 P.S.I.

Tool Open F.F.P. From 12:13P M. to 12:43P M. Hr. 30 Min. From (E) 963 P.S.I. To (F) 206 P.S.I.

Tool Closed F.C.I.P. From 12:43P M. to 12:58P M. Hr. 15 Min. (G) 1206 P.S.I.

Inital Hydrostatic Pressure (A) 2216 P.S.I. Final Hydrostatic Pressure (H) 2190 P.S.I.

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____M. ____

____ ____ ____M. ____

____ ____ ____M. ____

BLOW Strong , decrease to weak after 20 minutes Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes X No Recovery Total Ft. 2674' salt water

Mud

Reversed Out X Yes ____ No Mud Type starch Viscosity 50 Weight 9.9 Maximum Temp. 111 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint ____ Jars: Size 3 1/2FH Make Bowen Ser. No. 1667

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

Length Drill Pipe 3198 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 780 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 90 ft.

I. D. Drill Collars 2.25 in. Length D. S. T. Tool 82 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date December 9, 1964 Test Ticket No. 5506

Recorder No. 1567 Capacity 4300 Location 4137 Ft.

Clock No. 6892 Elevation 2171 Derrick Floor Well Temperature 111 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2216	P.S.I.
B	First Initial Flow Pressure	376	P.S.I.
C	First Final Flow Pressure	376	P.S.I.
D	Initial Closed-in Pressure	1206	P.S.I.
E	Second Initial Flow Pressure	967	P.S.I.
F	Second Final Flow Pressure	1206	P.S.I.
G	Final Closed-in Pressure	~~2198~~ 1206	P.S.I.
H	Final Hydrostatic Mud	2190	P.S.I.

	Time Given		Time Computed	
Opened Tool	11:40A	M		
First Flow Pressure	1	Mins.	1	Mins.
Initial Closed-in Pressure	30	Mins.	28	Mins.
Second Flow Pressure	30	Mins.	30	Mins.
Final Closed-in Pressure	15	Mins.	15	Mins.

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc. of 1 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	376
P 2 1	376
P 3	
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: 9 Inc. of 3 mins. and a final inc. of 1 Min.

Point Minutes	Press.
0	376
3	1206
6	1206
9	1206
12	1206
15	1206
18	1206
21	1206
24	1206
27	1206
28	1206

Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

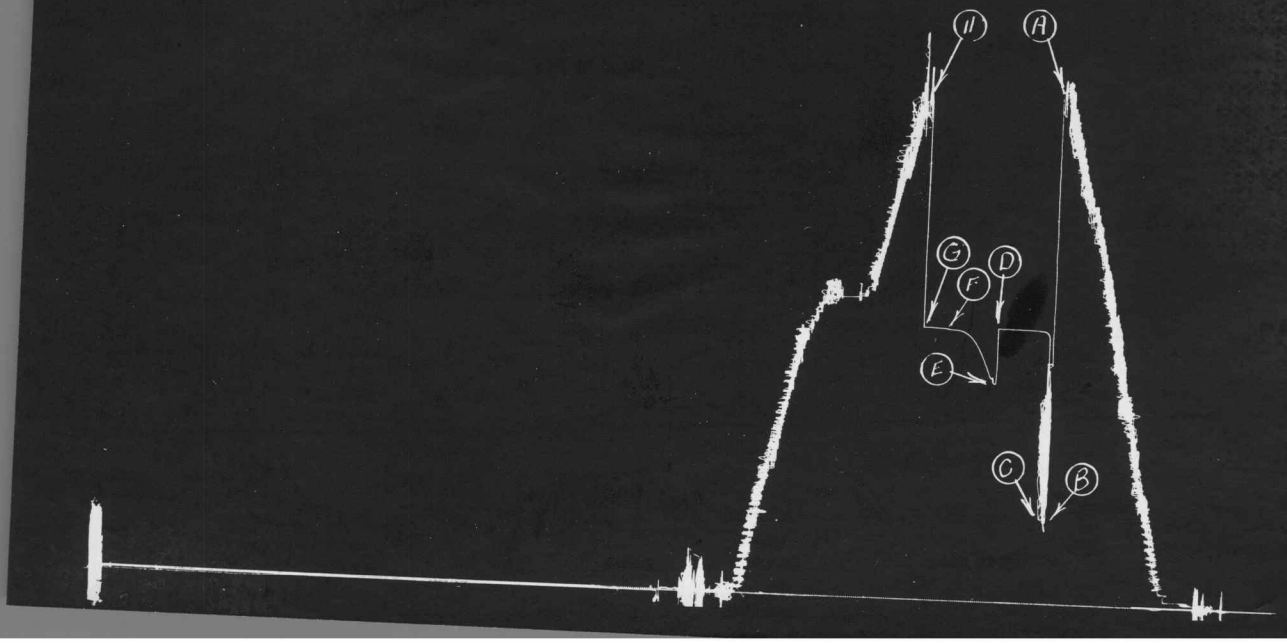
Point Minutes	Press.
0	967
5	1012
10	1111
15	1167
20	1193
25	1202
30	1206

Final Shut-In
Breakdown: 5 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	1206
3	1206
6	1206
9	1206
12	1206
15	1206

Pickrell Drlg. Co.
Casey # 1

Test # 1
Tkt # 55016



WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Casey #1

Elevation 2171 Derrick Floor; Formation=Chero. Sand Ticket Number 5507

Date Dec. 10, 1964 Sec. 36 Twp. 17 Range 21 County Ness State Kansas

Test Approved by George E. Link Western Representative Jack Toelkes

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Formation Test No. 2 O.K. X Misrun ____ Interval Tested From 4139' to 4160' Total Depth 4160'

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

Packer Depth 4134 Ft. Size 6 3/4 Packer Depth 4139 Ft. Size 6 3/4

Straddle ____ Yes X 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 21 Ft. Size 5 1/2 OD

RECORDERS Depth 4155 Ft Clock No. 6892 Depth 4158 Ft. Clock No. 147

Top Make Amerada Cap. 4382 No. 1567 Inside Outside Bottom Make Western Cap. 3000 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

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Time Set Packer 1:45 A M

Tool Open I.F.P. From 1:47A M to 1:52A M Hr. 5 Min. From (B) 30 P.S.I. To (C) 30 P.S.I.

Tool Closed I.C.I.P. From 1:52 A M. to 2:22 M. Hr. 30 Min. (D) 1217 P.S.I.

Tool Open F.F.P. From 2:22A M. to 3:52A M. 1 Hr. 30 Min. From (E) 47 P.S.I. To (F) 138 P.S.I.

Tool Closed F.C.I.P. From 3:52A M. to 4:22A M. Hr. 30 Min. (G) 1204 P.S.I.

Inital Hydrostatic Pressure (A) 2223 P.S.I. Final Hydrostatic Pressure (H) 2205 P.S.I.

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

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

Did Well Flow ____ Yes X No Recovery Total Ft. 270' muddy salt water

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Reversed Out ____ Yes X No Mud Type starch Viscosity 45 Weight 10 W.L. 9.4 Mud Maximum Temp. 115 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint ____ Jars: Size 3 1/2FH Make Bowen Ser. No. 1667

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

Length Drill Pipe 3243 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 780 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 90 ft.

I. D. Drill Collars 2.25 in. Length D. S. T. Tool 47 ft.

Remarks

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date December 10,1964 Test Ticket No. 5507

Recorder No. 1567 Capacity 4300 Location 4155 Ft.

Clock No. 6892 Elevation 2171 Derrick Floor Well Temperature 115 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2223 P.S.I.		Opened Tool	1:45 A M	
B	First Initial Flow Pressure	30 P.S.I.		First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	30 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1217 P.S.I.		Second Flow Pressure	90 Mins.	90 Mins.
E	Second Initial Flow Pressure	47 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	138 P.S.I.				
G	Final Closed-in Pressure	1204 P.S.I.				
H	Final Hydrostatic Mud	2205 P.S.I.				

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 1 Inc.

of 5 mins. and a

final inc. of 0 Min.

Point Mins.	Press.
P 1 0	30
P 2 5	30
P 3	
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: 10 Inc.

of 3 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
0	30
3	1060
6	1161
9	1204
12	1215
15	1217
18	1217
21	1217
24	1217
27	1217
30	1217

Second Flow Pressure

Breakdown: 18 Inc.

of 5 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
0	47
5	48
10	54
15	58
20	64
25	71
30	77
35	82
40	86
45	92
50	97
55	105
60	112
65	116
70	118
75	123
80	129
85	132
90	138

Final Shut-In

Breakdown: 10 Inc.

of 3 mins. and a

final inc. of 0 Min.

Point Minutes	Press.
0	138
3	902
6	1133
9	1165
12	1176
15	1182
18	1189
21	1193
24	1197
27	1202
30	1204

Pickrell Drlg. Co.
Casey #1

Test #2
TKT #5507

