22-22-13E

WESTERN TESTERS

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Larry Moore Ranch Inc. Lease & Well No. Young #23

Elevation 1233 Kelly Bushings Formation Mississippian Effective Pay Ft. Ticket No. 15507

Date July 15, 1971 Sec. 22 Twp. 22 Range 13E County Greenwood State Kansas

Test Approved by Joe Phillips Western Representative Norman Allen

Formation Test No. 1 O.K. X Misrun Interval Tested From 1848' to 1860' Total Depth 2287'

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

Packer Depth Ft. Size Packer Depth 1848 Ft. Size 6 3/4"

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

Packer Depth 1860 Ft. Size 6 3/4"

Tool Size 5½"O.D. Tool Jt. Size 4½"I.F. Anchor Length 12 Ft. Size 5½"O.D.

RECORDERS Depth 1850 Ft. Clock No. 8474 Depth 1853 Ft. Clock No. 4763

Top Make Kuster Cap. 4000 No. 3351 Inside/Outside Bottom Make Kuster Cap. 4150 No. 2606 Inside/Outside

Below Straddle: Depth Clock No. Inside/Outside Depth 1871 Ft. Clock No. 149 Inside/Outside

Top Make Cap. No. Inside/Outside Bottom Make WTC Cap. 4000 No. 29 Inside/Outside

Time Set Packer 12:20 P. M

Tool Open I.F.P. From 12:25 M. to 12:30 P. M. Hr. 5 Min. From (B) 4 P.S.I. To (C) 6 P.S.I.

Tool Closed I.C.I.P. From 12:30 M. to 1:15 P. M. Hr. 45 Min. (D) 188 P.S.I.

Tool Open F.F.P. From 1:15 M. to 2:15 P. M. Hr. 60 Min. From (E) 12 P.S.I. To (F) 24 P.S.I.

Tool Closed F.C.I.P. From 2:15 M. to 3:15 P. M. Hr. 60 Min. (G) 176 P.S.I.

Initial Hydrostatic Pressure (A) 988 P.S.I. Final Hydrostatic Pressure (H) 976 P.S.I.

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

BLOW Fair on Preflow - weak steady on Final Flow Period Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 70 feet Drilling Mud with few specks of oil

Reversed Out Yes X No Mud Type Chem Viscosity 38 Weight 9.8 Water Loss 14.2 cc. Maximum Temp. 99 °F

Type Circ. Sub. Pin Did Tool Plug? No Jars: Size No Make Ser. No.

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where?

Length Drill Pipe 1828 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 450 ft.

Remarks This test was a straddle test 1848 feet to 1860 feet . Total Depth 2287 feet.
Drilling mud recovery was very thin
Recovery sample checked 1400 PPM Chlorides
Drilling mud salt 1000 PPM Chlorides

02-22-13C

WESTERN TESTING CO., INC.
Pressure Data

Date July 15, 1971 Test Ticket No. 15507

Recorder No. 3351 Capacity 4000 Location 1850 Ft.

Clock No. 8474 Elevation 1233 Kelly Bushings Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	988 P.S.I.	Open Tool	12:20 P.M	
B First Initial Flow Pressure	4 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	6 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	188 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	12 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	24 P.S.I.			
G Final Closed-in Pressure	176 P.S.I.			
H Final Hydrostatic Mud	976 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point Mins.	Press.
P 1 0	4
P 2 5	4
P 3 10	5
P 4 15	6
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: 15 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	6
3	151
6	170
9	177
12	181
15	184
18	185
21	186
24	186
27	187
30	187
33	187
36	188
39	188
42	188
45	188

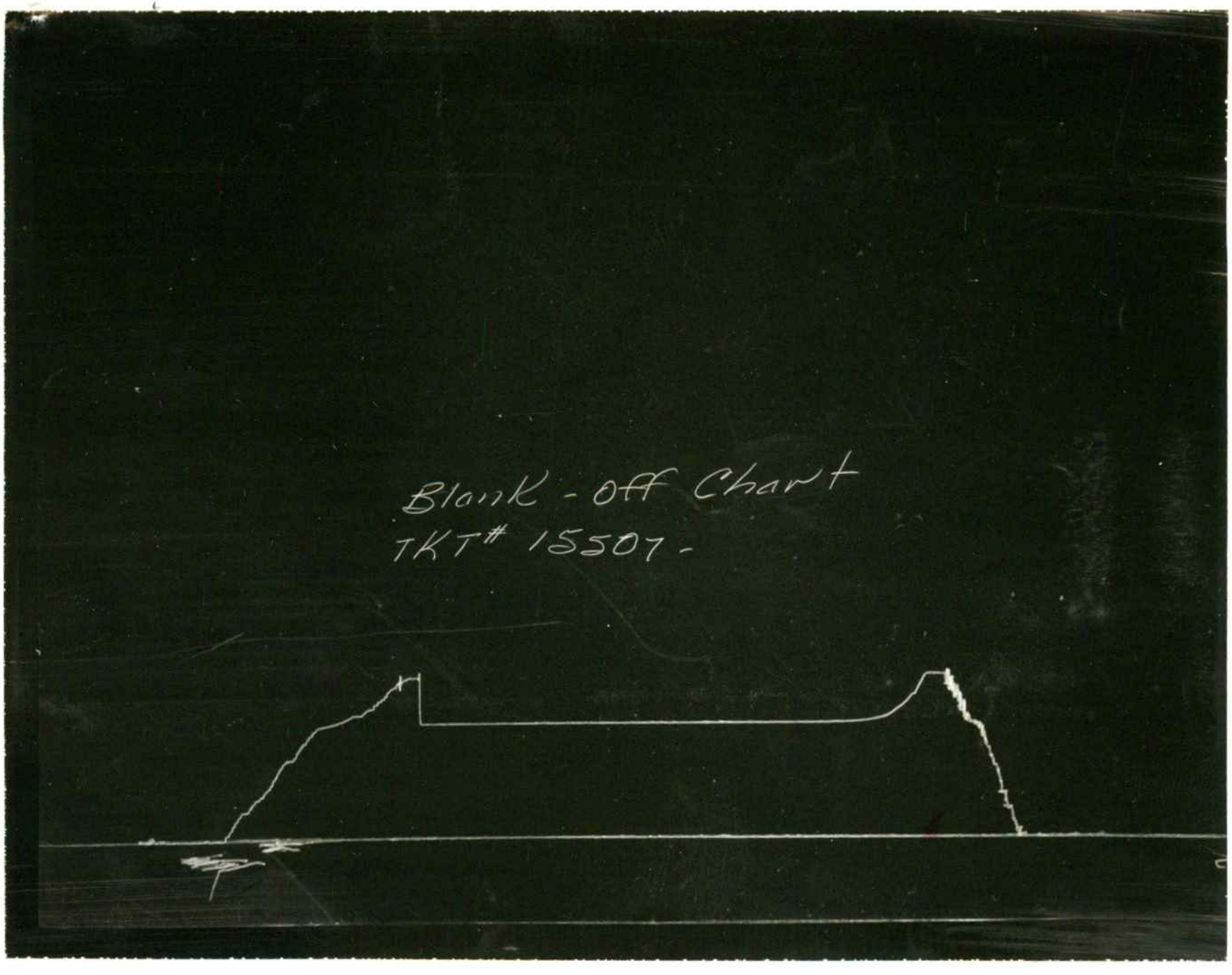
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	12
5	1
10	12
15	12
20	12
25	12
30	12
35	14
40	16
45	18
50	20
55	22
60	24

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point Minutes	Press.
0	24
3	126
6	141
9	149
12	155
15	160
18	162
21	164
24	166
27	168
30	170
33	171
36	172
39	173
42	174
45	174
48	175
51	175
54	175
57	176
60	176

TKT# 15507-0


Blank - off Chart
TKT# 15507 -