WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 9502

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1561 GR Formation MISS. Eff. Pay Ft.

District Pratt Date 3-8-81 Customer Order No.

COMPANY NAME ELDON J. SCHERLING

ADDRESS 830 Sutton Place Wichita Ks 67202

LEASE AND WELL NO. Nicholas B-1 COUNTY KINGMAN STATE Ks Sec 19 Twp 30S Rge 8W

Mail Invoice To Same No. Copies Requested Reg
Co. Name Address

Mail Charts To Same No. Copies Requested Reg
Address

Formation Test No. 1 Interval Tested from 4228 ft. to 4248 ft. Total Depth 4248 ft.

Packer Depth 4223 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 4228 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4233 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4248 ft. Recorder Number 11018 Cap. 4500

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Kay #1 Drill Collar Length — I. D. — in.

Mud Type STARCH Viscosity 38 Weight Pipe Length 305 I. D. 3.0 in.

Weight 9.3 Water Loss 16.4 cc. Drill Pipe Length 3900 I. D. — in.

Chlorides 19,500 P.P.M. Test Tool Length 23 ft. Tool Size 3 1/2 in.

Jars: Make — Serial Number — Anchor Length 20 ft. Size 4 1/2 in.

Did Well Flow? — Reversed Out — Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong - GTS 24 minutes

Recovered — ft. of 20,700 CFPD (80% O.I 20% WATER

Recovered 270 ft. of Heavy Gas & O.I Cut mud → 60% mud

Recovered 120 ft. of Heavy Gas & O.I Cut watery mud

Recovered 180 ft. of Heavy Gas Cut watery O.I →

Recovered ~~570~~ ft. of ~~Total Fluid~~ (10% mud 42% WATER 48% O.I)

Remarks:

Time On Location 6:00 A.M. P.M. Time Pick Up Tool 9:00 A.M. P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 12:00 A.M. P.M. Time Started Off Bottom 3:20 A.M. P.M. Maximum Temperature

Initial Hydrostatic Pressure			(A) 2122	P.S.I.		
Initial Flow Period	Minutes 40		(B) 77	P.S.I. to	(C) 77	P.S.I.
Initial Closed In Period	Minutes 45		(D) 1085	P.S.I.		
Final Flow Period	Minutes 60		(E) 88	P.S.I. to	(F) 111	P.S.I.
Final Closed In Period	Minutes 60		(G) 1086	P.S.I.		
Final Hydrostatic Pressure			(H) 1033	P.S.I.		

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Eldon J. Scherling
Signature of Customer or his authorized representative

Western Representative Stuart Stover
Jeff Beauchamp

FIELD INVOICE

Open Hole Test	$ 700 00
Misrun	$ —
Straddle Test	$ —
Jars	$ —
Selective Zone	$ 100 00
Safety Joint	$ 65 00
Standby	$ —
Evaluation	$ —
Extra Packer	$ —
Circ. Sub.	$ —
Mileage 50	$ 37 50
Fluid Sampler	$ —
Extra Charts	$ —
Insurance	$ —
TOTAL	$ 802 50

Phone 316 262-5861

P. O. Box 1599
WICHITA, KANSAS 67201

Nº 2363

GAS FLOW REPORT

Date 3/8/81 Ticket 9502 Company Schierling

Well Name and No. Nicholas B-1 Dst No. #1 Interval Tested 4228-4248

County Kingman State KS Sec. 19 Twp. 30 S Rg. 8 W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
GTS 24 MIN					
PRE FLOW					
30 MIN	2 LBS	¼			12,700 MCFPD
40 MIN	3 LBS	¼			15,000 " "
SECOND FLOW					
10	8 LBS	¼			27,000 MCFPD
20	6 LBS	¼			22,900 " "
30	4 LBS	"			18,500 " "
40	5 LBS	"			20,700 " "
50	5 LBS	"			20,700 " "
60	5 LBS	"			20,700 " "

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

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 1½% per month, equal to 18% 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 Schierling

Authorized by _____

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 3-8 Test Ticket No. 9502

Recorder No. 11018 Capacity 4425 Location 4233 Ft.

Clock No. ——— Elevation 1561 GL Well Temperature ——— °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2122 P.S.I.	Open Tool	12:00 AM	
B First Initial Flow Pressure	133 P.S.I.	First Flow Pressure	40 Mins.	35 Mins.
C First Final Flow Pressure	78 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1099 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	122 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	118 P.S.I.			
G Final Closed-in Pressure	1090 P.S.I.			
H Final Hydrostatic Mud	2033 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 7 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	133
P 2 5	98
P 3 10	82
P 4 15	78
P 5 20	(
P 6 25	(
P 7 30	(
P 8 35	78
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	78
3	349
6	527
9	646
12	754
15	814
18	881
21	929
24	960
27	996
30	1018
33	1042
36	1064
39	1082
42	1095
45	1099
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	122
5	100
10	99
15	(
20	(
25	99
30	101
35	104
40	107
45	111
50	116
55	117
60	118
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	118
3	353
6	496
9	611
12	697
15	761
18	819
21	863
24	898
27	931
30	958
33	980
36	1002
39	1020
42	1033
45	1048
48	1062
51	1070
54	1081
57	1086
60	1090

TKT # 9502

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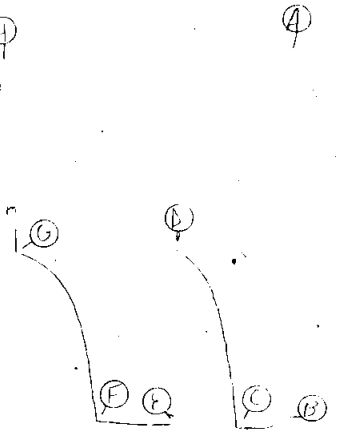

Company Eldon J. Schierling — Lease & Well No. Nicholas "B" #1

Elevation 1561 Ground Level — Formation Mississippi — Effective Pay - Ft. — Ticket No. 9502

Date 3/8/81 — Sec. 19 — Twp. 30S — Range 8W — County Kingman — State Kansas

Test Approved by Eldon J Schierling — Western Representative Stuart Stover-Jeff Beauchamp

Formation Test No. 1 — Interval Tested from 4228 ft. to 4248 ft. — Total Depth 4248 ft.

Packer Depth 4223 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4228 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4233 ft. — Recorder Number 11018 — Cap. 4425

Bottom Recorder Depth (Outside) 4248 ft. — Recorder Number 11019 — Cap. 4500

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Kaw Drilling Rig #1 — Drill Collar Length - — I. D. - in.

Mud Type Starch — Viscosity 38 — Weight Pipe Length 305 — I. D. 3.0 in.

Weight 9.3 — Water Loss 16.4 cc. — Drill Pipe Length 3900 — I. D. - in.

Chlorides 19,500 P.P.M. — Test Tool Length 23 ft. — Tool Size 3½ in.

Jars: Make - — Serial Number - — Anchor Length 20 ft. — Size 4½ in.

Did Well Flow? - — Reversed Out - — Surface Choke Size ½ in. — Bottom Choke Size ½ in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½XH in.

Blow: Strong - gas to surface in 24 minutes. See attached sheet for gas measurements.

Recovered 270 ft. of heavy gas & oil cut mud

Recovered 120 ft. of heavy gas & oil cut watery mud - 20% oil; 20% water; 60% mud

Recovered 180 ft. of heavy gas cut watery oil - 10% mud; 42% water; 48% oil

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:00 A.M. P.M. — Time Started Off Bottom 3:20 A.M. ~~P.M.~~ — Maximum Temperature -

Initial Hydrostatic Pressure			(A) 2122 P.S.I.			
Initial Flow Period	Minutes 35		(B) 133 P.S.I.	to (C)	78	P.S.I.
Initial Closed In Period	Minutes 45		(D) 1099 P.S.I.			
Final Flow Period	Minutes 60		(E) 122 P.S.I.	to (F)	118	P.S.I.
Final Closed In Period	Minutes 60		(G) 1090 P.S.I.			
Final Hydrostatic Pressure			(H) 2033 P.S.I.			

GAS FLOW REPORT

Date 3/8/81 Ticket 9502 Company Eldon J. Schierling

Well Name and No. Nicholas "B" #1 Dst No. 1 Interval Tested 4228 - 4248

County Kingman State Kansas Sec. 19 Twp. 30S Rg. 8W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria 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
	Gas to surface 24 minutes		**PRE FLOW**			
	30 Min	2 PSIG	¼" Orifice			12,700 C.F.P.D.
	40 Min	3 PSIG	¼" Orifice			15,000 C.F.P.D.
			SECOND FLOW			
	10 Min	8 PSIG	¼" Orifice			27,000 C.F.P.D.
	20 Min	6 PSIG	¼" Orifice			22,900 C.F.P.D.
	30 Min	4 PSIG	¼" Orifice			18,500 C.F.P.D.
	40 Min	5 PSIG	¼" Orifice			20,700 C.F.P.D.
	50 Min	5 PSIG	¼" Orifice			20,700 C.F.P.D.
	60 Min	5 PSIG	¼" Orifice			20,700 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 3/8/81

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 1½% per month, equal to 18% 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 Eldon J Schierling

Authorized by Eldon J Schierling

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 3/8/81 Test Ticket No. 9502

Recorder No. 11018 Capacity 4425 Location 4233 Ft.

Clock No. - Elevation 1561 Ground Level Well Temperature - °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2122 P.S.I.	Open Tool	12:00A M	
B	First Initial Flow Pressure	133 P.S.I.	First Flow Pressure	40 Mins.	35 Mins.
C	First Final Flow Pressure	78 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1099 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	122 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	118 P.S.I.			
G	Final Closed-in Pressure	1090 P.S.I.			
H	Final Hydrostatic Mud	2033 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 7 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	133
P 2 5	98
P 3 10	82
P 4 15	78
P 5 20	78
P 6 25	78
P 7 30	78
P 8 35	78
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 0 Min.

Point Minutes	Press.
0	78
3	349
6	527
9	646
12	754
15	814
18	881
21	929
24	960
27	996
30	1018
33	1042
36	1064
39	1082
42	1095
45	1099

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	122
5	100
10	99
15	99
20	99
25	99
30	101
35	104
40	107
45	111
50	116
55	117
60	118

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	118
3	353
6	496
9	611
12	697
15	761
18	819
21	863
24	898
27	931
30	958
33	980
36	1002
39	1020
42	1033
45	1048
48	1062
51	1070
54	1081
57	1086
60	1090