WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 15887 OK

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

Elevation _____ Formation Miss Eff. Pay _____ Ft.

District Pratt Date 4-19-82 Customer Order No. _____

COMPANY NAME Eldon J Schierling 830 Sutton Place

ADDRESS Wichita KS 67202

LEASE AND WELL NO. Williams #2 COUNTY Harper STATE KS Sec. 2 Twp. 31s Rge. 7w

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 4371 ft. to 4382 ft. Total Depth 4382 ft.

Packer Depth 4366 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4371 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4354 ft. Recorder Number 1565 Cap. 4900

Bottom Recorder Depth (Outside) 4377 ft. Recorder Number 1560 Cap. 4500

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

Drilling Contractor Gabbert & Jones #6 Drill Collar Length 360 I. D. 2.2 in.

Mud Type Starch Viscosity 44 Weight Pipe Length — I. D. — in.

Weight 9.4 Water Loss 11.2 cc. Drill Pipe Length 3591 I. D. 3.8 in.

Chlorides 23,500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make — Serial Number — Anchor Length 11 ft. Size 5 1/2 OD in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Strong - GTS 6 min I.F. - See Gas Flow Report attached sheet for gas measurements.

Recovered 120 ft. of Slightly Oil Cut Mud 60% m 3% W. 10% O. 27% G.

Recovered 60 ft. of Slightly Oil Cut Watery Mud

Recovered 60 ft. of Water Chlorides 112,000 ppm

Recovered _____ ft. of

Recovered _____ ft. of

Remarks: _____

RECEIVED
APR 21 1982

Time On Location 11:30 A.M. / P.M. Time Pick Up Tool 1:00 A.M. / P.M. Time Off Location 8:30 A.M. / P.M.

Time Set Packer(s) 2:40 A.M. / P.M. Time Started Off Bottom 5:25 A.M. / P.M. Maximum Temperature 121°

Initial Hydrostatic Pressure			(A)	2233	P.S.I.	
Initial Flow Period	Minutes	30	(B)	24	P.S.I. to (C)	37 P.S.I.
Initial Closed In Period	Minutes	45	(D)	1261	P.S.I.	
Final Flow Period	Minutes	45	(E)	49	P.S.I. to (F)	61 P.S.I.
Final Closed In Period	Minutes	45	(G)	1150	P.S.I.	
Final Hydrostatic Pressure			(H)	2233	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. Schierling
Signature of Customer of his authorized representative

Western Representative Jeff Piotrowski

Thank you

FIELD INVOICE

Open Hole Test	$ 675.00
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$ Verbal
Mileage 55	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$ 675.00

Phone 316 262-5861

P. O. Box 1599

WICHITA, KANSAS 67201

No. 3336

GAS FLOW REPORT

Date 4-19-82 Ticket 15887 Company Elden Schierling

Well Name and No. Williams #2 Dst No. 1 Interval Tested 4371-4382

County Harper State KS Sec. 2 Twp. 31S Rg. 7W

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
	886				**PRE FLOW** GTS 6 min
10	3	½			59,200 CFPD
20	〃	〃			〃
30	〃	〃			〃

SECOND FLOW

10	4	½			68,800
20	3	〃			59,200
30	2	〃			47,700
40	2	〃		OK	47,700
45	2	〃			47,700

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

Authorized by

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 4-19-82 Test Ticket No. 15887

Recorder No. 1565 Capacity 4900 Location 4374 Ft

Clock No. — — — — Elevation — Well Temperature 121 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2222 P.S.I.		Open Tool	2:40 PM	
B	First Initial Flow Pressure	24 P.S.I.		First Flow Pressure	30 Mins.	30 Mins
C	First Final Flow Pressure	36 P.S.I.		Initial Closed-in Pressure	45 Mins.	48 Mins
D	Initial Closed-in Pressure	1244 P.S.I.		Second Flow Pressure	45 Mins.	50 Mins
E	Second Initial Flow Pressure	50 P.S.I.		Final Closed-in Pressure	45 Mins.	45 Mins
F	Second Final Flow Pressure	58 P.S.I.				
G	Final Closed-in Pressure	1158 P.S.I.				
H	Final Hydrostatic Mud	2192 P.S.I.				

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	24
P 2	5	
P 3	10	
P 4	15	24
P 5	20	27
P 6	25	32
P 7	30	36
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	36
3	532
6	762
9	894
12	978
15	1033
18	1075
21	1101
24	1131
27	1155
30	1175
33	1192
36	1207
39	1216
42	1228
45	1238
48	1247
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 10 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	50
5	
10	
15	
20	
25	50
30	52
35	56
40	57
45	58
50	58
55	
60	
65	
70	
75	
80	
85	
90	

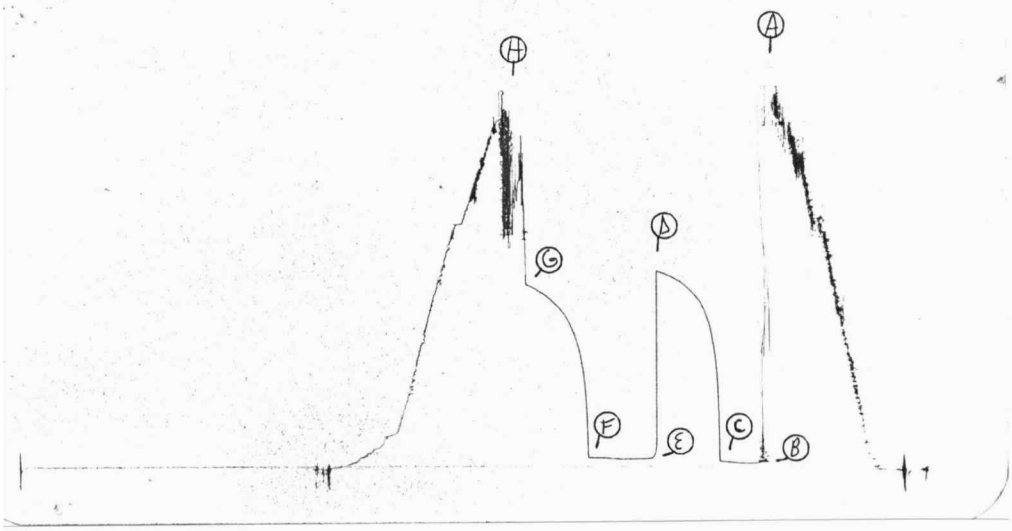
Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	58
3	567
6	705
9	804
12	876
15	926
18	973
21	1005
24	1033
27	1058
30	1081
33	1101
36	1116
39	1133
42	1145
45	1158
48	
51	
54	
57	
60	

1565
DST #7

TKT #15887

T



Company Eldon J. Schierling | Lease & Well No. Williams #2

Elevation --- | Formation Mississippi | Effective Pay - Ft. | Ticket No. 15887

Date 4/ 19/82 | Sec. 2 | Twp. 31S | Range 7W | County Harper | State Kansas

Test Approved by Eldon J. Schierling | Western Representative Jeff PIotrowski

Formation Test No. 1 | Interval Tested from 4371 ft. to 4382 ft. | Total Depth 4382 ft.

Packer Depth 4366 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Packer Depth 4371 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4374 ft. | Recorder Number 1565 | Cap. 4900

Bottom Recorder Depth (Outside) 4377 ft. | Recorder Number 1560 | Cap. 4500

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

Drilling Contractor Gabbert- Jones Drlg. Rig#6 | Drill Collar Length 360 | I. D. 2.2 in.

Mud Type starch | Viscosity 44 | Weight Pipe Length - | I. D. - in.

Weight 9.4 | Water Loss 11.2 cc. | Drill Pipe Length 3591 | I. D. 3.8 in.

Chlorides 23,500 P.P.M. | Test Tool Length 20 ft. | Tool Size 5½OD in.

Jars: Make - | Serial Number - | Anchor Length 11 ft. | Size 5½OD in.

Did Well Flow? No | Reversed Out No | Surface Choke Size 3/4 in. | Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. | Tool Joint Size 4½FH in.

Blow: Strong. Gas to surface six minutes in initial flow period. See attached sheet for gas measurements.

Recovered 120 ft. of slightly oil cut mud 60% mud;3% water;10% oil;27% gas

Recovered 60 ft. of slightly oil cut watery mud

Recovered 60 ft. of water Chlorides 112,000 ppm

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:40 ~~A.M.~~ P.M. | Time Started Off Bottom 5:25 ~~A.M.~~ P.M. | Maximum Temperature 121°

Initial Hydrostatic Pressure			(A)	2222	P.S.I.	
Initial Flow Period	Minutes 30	(B)	24	P.S.I. to (C)	36	P.S.I.
Initial Closed In Period	Minutes 48	(D)	1244	P.S.I.		
Final Flow Period	Minutes 50	(E)	50	P.S.I. to (F)	58	P.S.I.
Final Closed In Period	Minutes 45	(G)	1158	P.S.I.		
Final Hydrostatic Pressure		(H)	2192	P.S.I.		

GAS FLOW REPORT

Date 4/19/82 Ticket 15887 Company Eldon J. Schierling

Well Name and No. Williams #2 Dst No. 1 Interval Tested 4371'-4382'

County Harper State Kansas Sec. 2 Twp. 31S Rg. 7W

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
	Gas to surface in six mintues.		**PRE FLOW**		
10 min.	3.0 PSIG		1/2" orifice		59,200 CFPD
20 min.	3.0 PSIG		1/2" orifice		59,200 CFPD
30 min.	3.0 PSIG		1/2" orifice		59,200 CFPD
			SECOND FLOW		
10 min.	4.0 PSIG		1/2" orifice		68,800 CFPD
20 min.	3.0 PSIG		1/2" orifice		59,200 CFPD
30 min.	2.0 PSIG		1/2" orifcie		47,700 CFPD
40 min.	2.0 PSIG		1/2' orifice		47,700 CFPD
45 min.	2.0 PSIG		1/2" orifice		47,700 CFPD

GAS BOTTLE

Serial No. ---- Date Bottle Filled ---- Date to be Invoiced 4/19/82

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 4/19/82 Test Ticket No. 15887

Recorder No. 1565 Capacity 4900 Location 4374 Ft.

Clock No. -- Elevation ---- Well Temperature 121 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2222 P.S.I.	Open Tool	2:40P M	
B	First Initial Flow Pressure	24 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	36 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D	Initial Closed-in Pressure	1244 P.S.I.	Second Flow Pressure	45 Mins.	50 Mins.
E	Second Initial Flow Pressure	50 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	58 P.S.I.			
G	Final Closed-in Pressure	1158 P.S.I.			
H	Final Hydrostatic Mud	2192 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	24
P 2 5	24
P 3 10	24
P 4 15	24
P 5 20	27
P 6 25	32
P 7 30	36
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	36
3	532
6	762
9	894
12	978
15	1033
18	1075
21	1101
24	1131
27	1155
30	1175
33	1192
36	1207
39	1216
42	1228
45	1238
48	1244

Second Flow Pressure
Breakdown: 10 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	50
5	50
10	50
15	50
20	50
25	50
30	52
35	56
40	57
45	58
50	58

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

Point Minutes	Press.
0	58
3	567
6	705
9	804
12	876
15	926
18	973
21	1005
24	1033
27	1058
30	1081
33	1101
36	1116
39	1133
42	1145
45	1158

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 15888 OK

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

Elevation _____ Formation Miss Eff. Pay _____ Ft.

District Pratt Date 4-20-82 Customer Order No. _____

COMPANY NAME Eldon J. Schierling 830 Sutton Place

ADDRESS Wichita KS 67202

LEASE AND WELL NO. Williams #2 COUNTY Harper STATE KS Sec. 2 Twp. 31S Rge. 7W

Mail Invoice To Same Williams #2 No. Copies Requested Reg
Co. Name Address

Mail Charts To Same No. Copies Requested Reg
Address

Formation Test No. 2 Interval Tested From 4382 ft. to 4397 ft. Total Depth 4397 ft.

Packer Depth 4377 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4382 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4385 ft. Recorder Number 1565 Cap. 4900

Bottom Recorder Depth (Outside) 4388 ft. Recorder Number 1560 Cap. 4500

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

Drilling Contractor Gabbert + Jones Drill Collar Length 360 I. D. 2.2 in.

Mud Type Starch Viscosity 44 Weight Pipe Length — I. D. — in.

Weight 9.4 Water Loss 11.2 cc. Drill Pipe Length 4002 I. D. 3.8 in.

Chlorides 23,500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make — Serial Number — Anchor Length 15 ft. Size 5 1/2 OD in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Weak blow Building to Fair on 1st flow period Fair ~~thru F.F.~~ throughout the final flow period

Recovered 60 ft. of Mud - Few Oil Specks

Recovered 240 ft. of Water Chlorides 108,000 ppm

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

RECEIVED
APR 21 1982

Time On Location 4:00 A.M. P.M. Time Pick Up Tool 4:15 A.M. P.M. Time Off Location 11:30 A.M. P.M.

Time Set Packer(s) 5:53 A.M. P.M. Time Started Off Bottom 8:37 A.M. P.M. Maximum Temperature 121°

Initial Hydrostatic Pressure			(A)	2258	P.S.I.	
Initial Flow Period	Minutes	30	(B)	49	P.S.I. to (C)	74 P.S.I.
Initial Closed In Period	Minutes	45	(D)	1334	P.S.I.	
Final Flow Period	Minutes	45	(E)	111	P.S.I. to (F)	136 P.S.I.
Final Closed In Period	Minutes	45	(G)	1334	P.S.I.	
Final Hydrostatic Pressure			(H)	2233	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. Schierling
Signature of Customer or his authorized representative

Western Representative Jeff Pickard

Thank you

FIELD INVOICE

Open Hole Test	$ 675.00
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage 55	$ Incl.
Fluid Sampler	$
Extra Charges	$
Insurance	$
Telecopier	$
TOTAL	$ 675.00

WESTERN TESTING CO., INC.
Pressure Data

Date 4-20-82 Test Ticket No. 15888

Recorder No. 1565 Capacity 4900 Location 4385 Ft

Clock No. — — — — Elevation — Well Temperature 121 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2249	P.S.I.
B	First Initial Flow Pressure	45	P.S.I.
C	First Final Flow Pressure	58	P.S.I.
D	Initial Closed-in Pressure	1339	P.S.I.
E	Second Initial Flow Pressure	105	P.S.I.
F	Second Final Flow Pressure	141	P.S.I.
G	Final Closed-in Pressure	1332	P.S.I.
H	Final Hydrostatic Mud	2234	P.S.I.

	Time Given	Time Computed
Open Tool	5:53 AM	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	45 Mins.	54 Mins.

PRESSURE BREAKDOWN

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

Point Mins.		Press.
P 1	0	45
P 2	5	1
P 3	10	
P 4	15	45
P 5	20	47
P 6	25	52
P 7	30	58
P 8	35	
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	58
3	168
6	703
9	953
12	1059
15	1128
18	1176
21	1212
24	1242
27	1265
30	1282
33	1296
36	1309
39	1324
42	1333
45	1339
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	105
5	105
10	105
15	105
20	110
25	115
30	121
35	129
40	134
45	141
50	
55	
60	
65	
70	
75	
80	
85	
90	

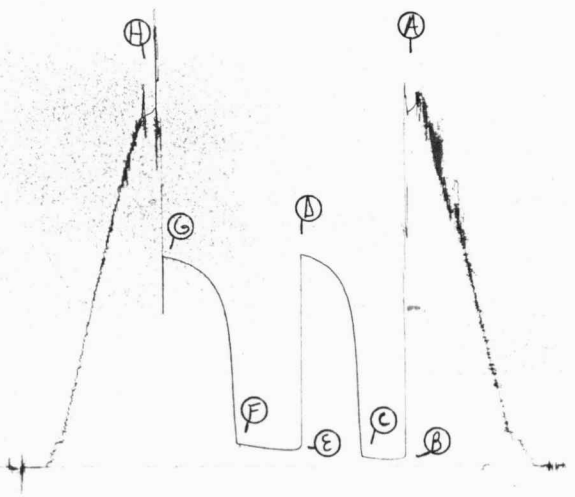
Final Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	141
3	564
6	856
9	983
12	1067
15	1116
18	1159
21	1194
24	1217
27	1239
30	1255
33	1272
36	1283
39	1295
42	1304
45	1314
48	1320
51	1325
54	1332
57	
60	

1565
DST #2

IKT # 15888

I



Company Eldon J. Schierling | Lease & Well No. Williams #2

Elevation --- | Formation Mississippi | Effective Pay - Ft. | Ticket No. 15888

Date 4/ 20/82 | Sec. 2 | Twp. 31S | Range 7W | County Harper | State Kansas

Test Approved by Eldon J. Schierling | Western Representative Jeff PIotrowski

Formation Test No. 2 | Interval Tested from 4382 ft. to 4397 ft. | Total Depth 4397 ft.

Packer Depth 4377 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Packer Depth 4382 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4385 ft. | Recorder Number 1565 | Cap. 4900

Bottom Recorder Depth (Outside) 4388 ft. | Recorder Number 1560 | Cap. 4500

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

Drilling Contractor Gabbert- Jones Drlg. Rig#6 | Drill Collar Length 360 | I. D. 2.2 in.

Mud Type starch | Viscosity 44 | Weight Pipe Length - | I. D. - in.

Weight 9.4 | Water Loss 11.2 cc. | Drill Pipe Length 4002 | I. D. 3.8 in.

Chlorides 23,500 P.P.M. | Test Tool Length 20 ft. | Tool Size 5½OD in.

Jars: Make - | Serial Number - | Anchor Length 15 ft. | Size 5½OD

Did Well Flow? No | Reversed Out No | Surface Choke Size 3/4 in. | Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. | Tool Joint Size 4½FH in.

Blow: Weak blow building to fair on initial flow period. Fair throughout final flow period.

Recovered 60 ft. of mud - few oil specks

Recovered 240 ft. of water Chlorides 108,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:53 A.M. ~~P.M.~~ | Time Started Off Bottom 8:37 A.M. ~~P.M.~~ | Maximum Temperature 121°

Initial Hydrostatic Pressure			(A) 2249	P.S.I.		
Initial Flow Period	Minutes 30	(B) 45	P.S.I. to	(C) 58	P.S.I.	
Initial Closed In Period	Minutes 45	(D) 1339	P.S.I.			
Final Flow Period	Minutes 45	(E) 105	P.S.I. to	(F) 141	P.S.I.	
Final Closed In Period	Minutes 54	(G) 1332	P.S.I.			
Final Hydrostatic Pressure			(H) 2234	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 4/20/82 Test Ticket No. 15888

Recorder No. 1565 Capacity 4900 Location 4385 Ft.

Clock No. -- Elevation ----- Well Temperature 121 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2249 P.S.I.	Open Tool		5:53A M	
B	First Initial Flow Pressure	45 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	58 P.S.I.	Initial Closed-in Pressure		45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1339 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins.
E	Second Initial Flow Pressure	105 P.S.I.	Final Closed-in Pressure		45 Mins.	54 Mins.
F	Second Final Flow Pressure	141 P.S.I.				
G	Final Closed-in Pressure	1332 P.S.I.				
H	Final Hydrostatic Mud	2234 P.S.I.				

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	45
P 2 5	45
P 3 10	45
P 4 15	45
P 5 20	47
P 6 25	52
P 7 30	58
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 0 Min.

Point Minutes	Press.
0	58
3	168
6	703
9	953
12	1059
15	1128
18	1176
21	1212
24	1243
27	1265
30	1283
33	1296
36	1309
39	1324
42	1333
45	1339

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	105
5	105
10	105
15	105
20	110
25	115
30	121
35	129
40	134
45	141

Final Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	141
3	564
6	856
9	983
12	1067
15	1116
18	1159
21	1194
24	1217
27	1239
30	1255
33	1272
36	1283
39	1295
42	1304
45	1314
48	1320
51	1325
54	1332