WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 7397

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

Elevation 1740 KB Formation Miss Eff. Pay Ft.

$220 District Pratt Date 11-1-84 Customer Order No.

COMPANY NAME Pickrell Drlg Company.

ADDRESS 110 N. Market Suite 205 Wichita KS

LEASE AND WELL NO. Jacobs #1-N COUNTY Harper STATE KS Sec. 7 Twp. 31S Rge. 9W

Mail Invoice To Same No. Copies Requested 4 Reg

Mail Charts To Co. Name Same Address #1-'N' JACOBS No. Copies Requested 4 Reg

Address

Formation Test No. 1 Interval Tested From 4485 ft. to 4495 ft. Total Depth 4495 ft.

Packer Depth 4480 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4485 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4488 ft. Recorder Number 13402 Cap. 4025

Bottom Recorder Depth (Outside) 4491 ft. Recorder Number 1559 Cap. 4200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co. Tools #10 Drill Collar Length 180 I. D. 2.2 in.

Mud Type Chem. Viscosity 46 Weight Pipe Length I. D. in.

Weight 9.2 Water Loss 13.2 cc. Drill Pipe Length 4285 I. D. 3.8 in.

Chlorides 17,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make Serial Number Anchor Length 10 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 XH in.

Blow: Fair Building to Strong IF - Strong thru F.F.
GTS 85 min FP TSTM

Recovered 30 ft. of Mud

Recovered 35 ft. of Very Slightly Oil Cut Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 2 Remarks: Slight Plugging on IF.

Time On Location 12:30 A.M. P.M. Time Pick Up Tool 1:00 A.M. P.M. Time Off Location 10:00 A.M. P.M.

Time Set Packer(s) 2:35 A.M. P.M. Time Started Off Bottom 7:05 A.M. P.M. Maximum Temperature 120°

Initial Hydrostatic Pressure			(A)	2269	P.S.I.	
Initial Flow Period	Minutes 30		(B)	49	P.S.I. to (C) 108	P.S.I.
Initial Closed In Period	Minutes 60		(D)	1364	P.S.I.	
Final Flow Period	Minutes 90		(E)	39	P.S.I. to (F) 49	P.S.I.
Final Closed In Period	Minutes 90		(G)	1264	P.S.I.	
Final Hydrostatic Pressure			(H)	2208	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 Thomas Funk
Signature of Customer or his authorized representative

Western Representative Jeff Rowland

1625

Thank You

FIELD INVOICE

Open Hole Test	$ 395 -
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$

WESTERN TESTING CO., INC.

Pressure Data

Date 11-1-84 Test Ticket No. 7397

Recorder No. 13402 Capacity 4025 Location F

Clock No. — — — — Elevation Well Temperature °

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2263 P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	63 P.S.I.	First Flow Pressure	30 Mins.	Mins
C	First Final Flow Pressure	121 P.S.I.	Initial Closed-in Pressure	60 Mins.	Mins
D	Initial Closed-in Pressure	1361 P.S.I.	Second Flow Pressure	90 Mins.	Mins
E	Second Initial Flow Pressure	34 P.S.I.	Final Closed-in Pressure	90 Mins.	Mins
F	Second Final Flow Pressure	46 P.S.I.			
G	Final Closed-in Pressure	1299 P.S.I.			
H	Final Hydrostatic Mud	2190 P.S.I.			

* plugging Potion on I.F.P.

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	63
P 2	5	* 89
P 3	10	68
P 4	15	101
P 5	20	118
P 6	25	121
P 7	30	121
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: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	121
3	244
6	372
9	504
12	615
15	715
18	798
21	875
24	949
27	1010
30	1067
33	1114
36	1155
39	1195
42	1229
45	1261
48	1289
51	1315
54	1337
57	1357
60	1361

Second Flow Pressure
Breakdown: 19 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	34
5	1
10	34
15	35
20	35
25	36
30	36
35	37
40	38
45	39
50	40
55	41
60	42
65	43
70	44
75	45
80	46
85	1
90	46

Final Shut-In
Breakdown: 32 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	46
3	187
6	327
9	455
12	553
15	638
18	709
21	773
24	828
27	881
30	917
33	953
36	986
39	1022
42	1050
45	1072
48	1094
51	1116
54	1135
57	1153
60	1172

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

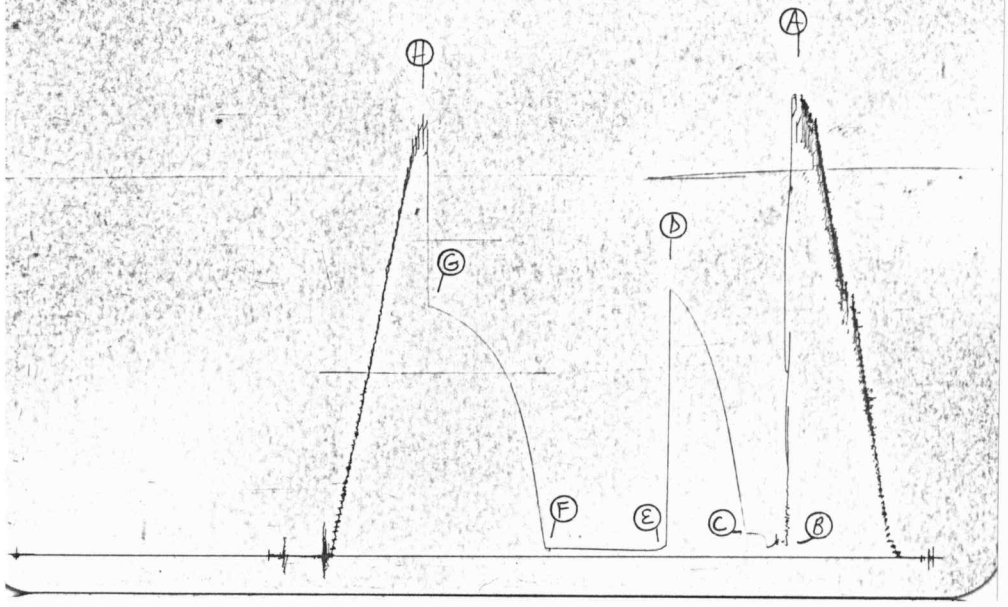
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				63	1185
P 2		66				66	1197
P 3		69				69	1211
P 4		72				72	1226
P 5		75				75	1234
P 6		78				78	1243
P 7		81				81	1252
P 8		84				84	1261
P 9		87				87	1287
P10		90				90	1299
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

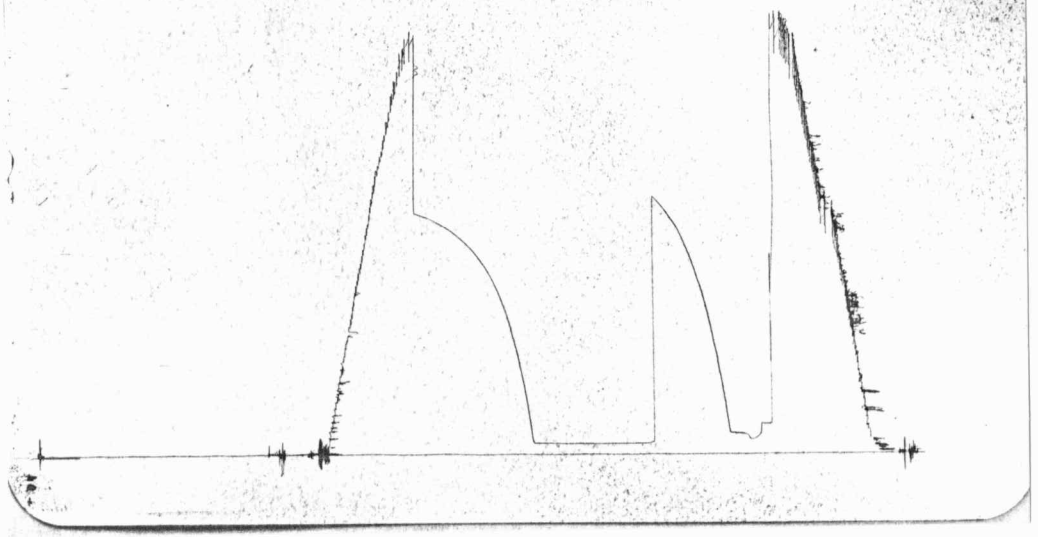
DST #1 IKT # 7397

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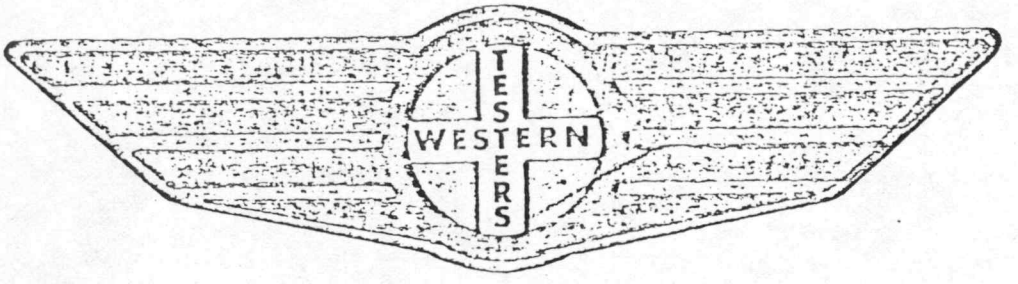


DST #1 IKT # 7397

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FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company PICKRELL DRILLING COMPANY Lease and Well No. #1 "N" JACOBS Sec. 7 Twp. 31S Rge. 9W Test No. 1 Date 11/1/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/1/84 TICKET #7397
CUSTOMER: PICKRELL DRILLING COMPANY LEASE: JACOBS "N"
WELL: #1 TEST: 1 GEOLOGIST: FUNK
ELEVATION (KB): 1740 FORMATION: MISS
SECTION: 7 TOWNSHIP: 31S
RANGE: 9W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4485 FT TO: 4495 FT TOTAL DEPTH: 4495 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4480 FT SIZE: 6 3/4 IN PACKER DEPTH: 4485 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CO TOOLS
MUD TYPE: CHEM VISCOSITY: 46
WEIGHT: 9.2 WATER LOSS (CC): 13.2
CHLORIDES (P.P.M.): 17000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4285 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 10 FT SIZE: 5 1/2 O.D. IN
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 XH IN

BLOW: INITIAL FLOW PERIOD FAIR BLOW BUILDING
TO STRONG . FINAL FLOW PERIOD STRONG THROUGHOUT.
GAS TO SURFACE IN 85 MINUTES; TOO
SMALL TO MEASURE.

RECOVERED: 30 FT OF: MUD
RECOVERED: 35 FT OF: VERY SLIGHTLY OIL CUT MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: SLIGHT PLUGGING ON INITIAL FLOW PERIOD.

TIME SET PACKER(S): 2:35 P.M. TIME STARTED OFF BOTTOM: 7:05 P.M.
WELL TEMPERATURE: 120 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2263 PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 63 PSI	TO (C) 121 PSI
INITIAL CLOSED IN PERIOD	MIN: 60	(D) 1361 PSI	
FINAL FLOW PERIOD	MIN: 90	(E) 34 PSI	TO (F) 46 PSI
FINAL CLOSED IN PERIOD	MIN: 90	(G) 1299 PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2190 PSI	

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 11/1/84 TICKET #7397
CUSTOMER: PICKRELL DRILLING COMPANY LEASE: JACOBS "N"
WELL: #1 TEST: 1 GEOLOGIST: FUNK
ELEVATION (KB): 1740 FORMATION: MISS
SECTION: 7 TOWNSHIP: 31S
RANGE: 9W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	2263	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	63	PSI
(C)	FIRST FINAL FLOW PRESSURE:	121	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1361	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	34	PSI
(F)	SECOND FINAL FLOW PRESSURE:	46	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1299	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2190	PSI
WELL TEMPERATURE:		120	'F

OPEN TOOL: 2:35 P.M.

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:	90	MIN	90	MIN
FINAL CLOSED-IN PRESSURE:	90	MIN	90	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	63	0	121	0	34	0	46
2	5	89	3	244	5	34	3	187
3	10	68	6	372	10	34	6	327
4	15	61	9	504	15	35	9	455
5	20	118	12	615	20	35	12	553
6	25	121	15	715	25	36	15	638
7	30	121	18	798	30	36	18	709
8			21	875	35	37	21	773
9			24	949	40	38	24	828
10			27	1010	45	39	27	881
11			30	1067	50	40	30	917
12			33	1114	55	41	33	953
13			36	1155	60	42	36	986
14			39	1195	65	43	39	1022
15			42	1229	70	44	42	1050
16			45	1261	75	45	45	1072
17			48	1289	80	46	48	1094
18			51	1315	85	46	51	1116
19			54	1337	90	46	54	1135
20			57	1357			57	1153
21			60	1361			60	1172
22							63	1185
23							66	1197
24							69	1211
25							72	1226
26							75	1234
27							78	1243
28							81	1252
29							84	1261
30							87	1287

PRESSURE BREAKDOWN - CONT. - TICKET #7397

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1299

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 7398

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

Elevation 1240 KB Formation Miss. Eff. Pay Ft.

District Pratt Date 11-2-84 Customer Order No.

COMPANY NAME Pickrell Drlg Company

ADDRESS 110 N. Market Suite 205 Wichita KS

LEASE AND WELL NO. Jacobs #1-N COUNTY Harper STATE KS Sec. 7 Twp. 31s Rge. 9w

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

Mail Charts To Same #1-'N' JACOBS No. Copies Requested 4 Reg
Address

Formation Test No. 2 Interval Tested From 4495 ft. to 4506 ft. Total Depth 4506 ft.

Packer Depth 4490 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4495 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4498 ft. Recorder Number 13402 Cap. 4025

Bottom Recorder Depth (Outside) 4501 ft. Recorder Number 1559 Cap. 4200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co Tools #10 Drill Collar Length 180 I. D. 2.2 in.

Mud Type Chem Viscosity 46 Weight Pipe Length I. D. in.

Weight 9.2 Water Loss 10.5 cc. Drill Pipe Length 4295 I. D. 3.8 in.

Chlorides 12,000 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 XH in.

Blow: Weak Building to Fair IF - Weak thru FF

Recovered 65 ft. of Mud - Few Oil Specks

Recovered 60 ft. of Slightly Oil Cut Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 2 Remarks:

Time On Location — A.M. P.M. Time Pick Up Tool 3:30 A.M. P.M. Time Off Location — A.M. P.M.

Time Set Packer(s) 4:50 A.M. P.M. Time Started Off Bottom 9:20 A.M. P.M. Maximum Temperature 120°

Initial Hydrostatic Pressure			(A)	2238	P.S.I.	
Initial Flow Period	Minutes	30	(B)	39	P.S.I. to (C)	39 P.S.I.
Initial Closed In Period	Minutes	60	(D)	177	P.S.I.	
Final Flow Period	Minutes	90	(E)	49	P.S.I. to (F)	59 P.S.I.
Final Closed In Period	Minutes	90	(G)	187	P.S.I.	
Final Hydrostatic Pressure			(H)	2238	P.S.I.	

COMPANY TERMS

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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 Thomas Funk
Signature of Customer or his authorized representative

Western Representative Jeff Pankonin

1685

Thank you

FIELD INVOICE 595

Open Hole Test	$ 595
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$

WESTERN TESTING CO., INC.

Pressure Data

38
39
34
22

Date 11-2-84 Test Ticket No. 7398

Recorder No. 13402 Capacity 4025 Location F

Clock No. — — — — Elevation Well Temperature °

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2194	P.S.I.	Open Tool	M	
B	First Initial Flow Pressure	30	P.S.I.	First Flow Pressure	30 Mins.	Mins
C	First Final Flow Pressure	33	P.S.I.	Initial Closed-in Pressure	60 Mins.	Mins
D	Initial Closed-in Pressure	174	P.S.I.	Second Flow Pressure	90 Mins.	Mins
E	Second Initial Flow Pressure	46	P.S.I.	Final Closed-in Pressure	90 Mins.	Mins
F	Second Final Flow Pressure	61	P.S.I.			
G	Final Closed-in Pressure	184	P.S.I.			
H	Final Hydrostatic Mud	2186	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	30
P 2	5	
P 3	10	
P 4	15	30
P 5	20	31
P 6	25	32
P 7	30	33
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: 21 Inc. of 3 mins. and a final inc. of 0 Min.

Minutes	Press.
0	33
3	40
6	48
9	56
12	64
15	72
18	80
21	88
24	96
27	103
30	110
33	117
36	124
39	131
42	138
45	144
48	150
51	156
54	162
57	178
60	174

Second Flow Pressure
Breakdown: 19 Inc. of 5 mins. and a final inc. of 0 Min.

Minutes	Press.
0	46
5	
10	
15	46
20	47
25	48
30	49
35	50
40	51
45	52
50	53
55	54
60	55
65	56
70	57
75	58
80	59
85	60
90	61

Final Shut-In
Breakdown: 32 Inc. of 3 mins. and a final inc. of 0 Min.

Minutes	Press.
0	61
3	65
6	69
9	73
12	77
15	81
18	86
21	91
24	96
27	101
30	105
33	109
36	113
39	117
42	121
45	125
48	129
51	133
54	137
57	141
60	146

WTC - 4

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

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

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

Point Minutes	Press.
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

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

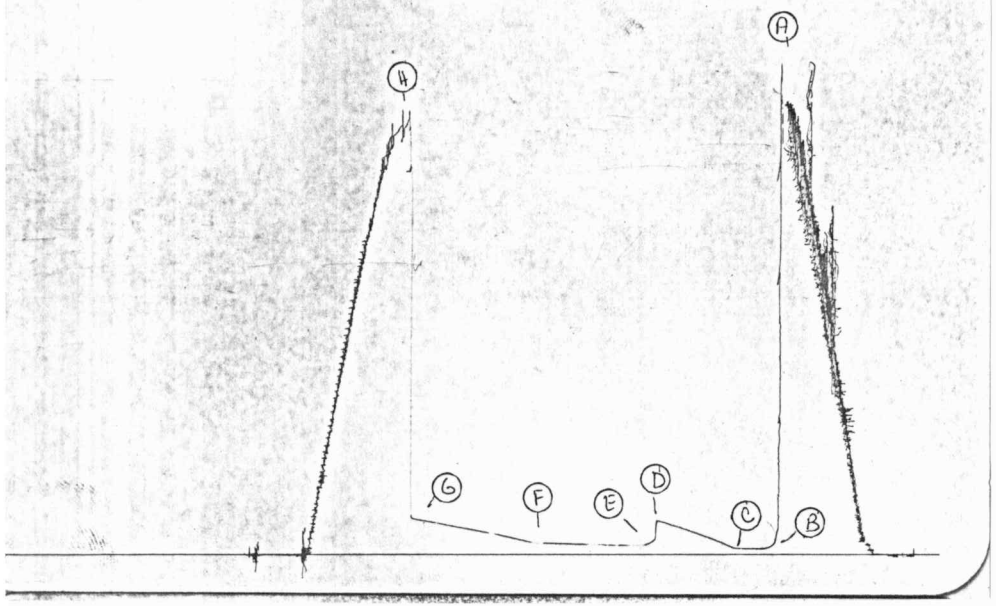
Point Minutes	Press.

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

Point Minutes	Press.
63	150
66	154
69	158
72	162
75	166
78	170
81	174
84	178
87	180
90	182
93	184
96	
99	
102	
105	
108	
111	
114	
117	
120	

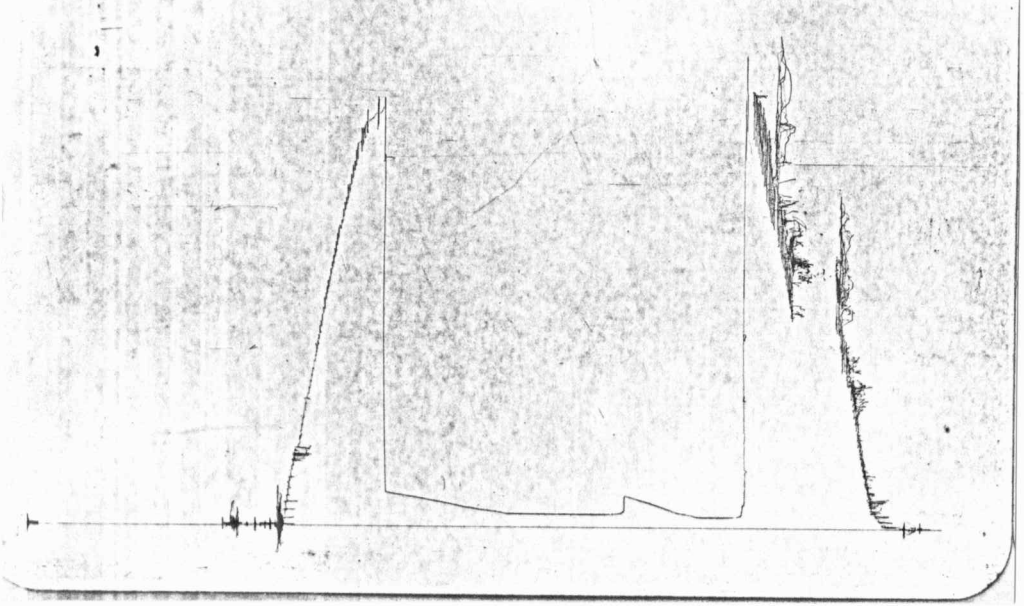
DST #2 IKT # 7398

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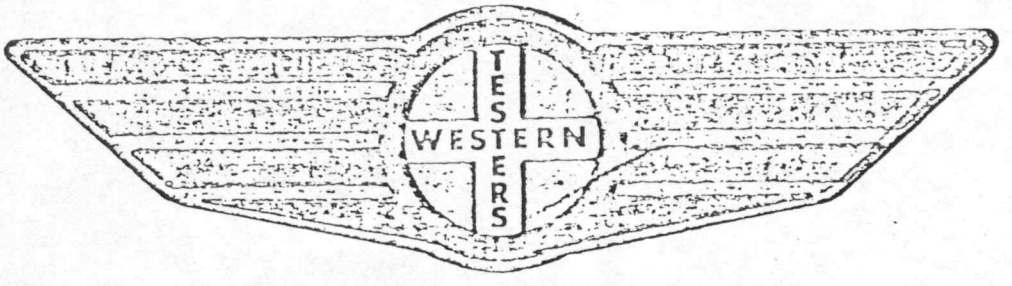


DST #2 IKT # 7398

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FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company PICKRELL DRILLING COMPANY Lease and Well No. #1 "N" JACOBS Sec. 7 Twp. 31S Rge. 9W Test No. 2 Date 11/2/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/2/84 TICKET #7398
CUSTOMER: PICKRELL DRILLING COMPANY LEASE: JACOBS "N"
WELL: #1 TEST: 2 GEOLOGIST: FUNK
ELEVATION (KB): 1740 FORMATION: MISS
SECTION: 7 TOWNSHIP: 31S
RANGE: 9W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4495 FT TO: 4506 FT TOTAL DEPTH: 4506 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4490 FT SIZE: 6 3/4 IN PACKER DEPTH: 4495 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: CO TOOLS
MUD TYPE: CHEM VISCOSITY: 46
WEIGHT: 9.2 WATER LOSS (CC): 10.5
CHLORIDES (P.P.M.): 17000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4295 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 11 FT SIZE: 5 1/2 O.D. IN
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 XH IN

BLOW: INITIAL FLOW PERIOD WEAK BUILDING
TO FAIR BLOW. FINAL FLOW PERIOD WEAK
THROUGHOUT.

RECOVERED: 65 FT OF: MUD; FEW OIL SPECKS
RECOVERED: 60 FT OF: SLIGHTLY OIL CUT MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:50 A.M. TIME STARTED OFF BOTTOM: 9:20 A.M.
WELL TEMPERATURE: 120 'F
INITIAL HYDROSTATIC PRESSURE: (A) 2194 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 30 PSI TO (C) 33 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 174 PSI
FINAL FLOW PERIOD MIN: 90 (E) 46 PSI TO (F) 61 PSI
FINAL CLOSED IN PERIOD MIN: 93 (G) 184 PSI
FINAL HYDROSTATIC PRESSURE (H) 2186 PSI

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 11/2/84 TICKET #7398
CUSTOMER: PICKRELL DRILLING COMPANY LEASE: JACOBS "N"
WELL: #1 TEST: 2 GEOLOGIST: FUNK
ELEVATION (KB): 1740 FORMATION: MISS
SECTION: 7 TOWNSHIP: 31S
RANGE: 9W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	2194	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	30	PSI
(C)	FIRST FINAL FLOW PRESSURE:	33	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	174	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	46	PSI
(F)	SECOND FINAL FLOW PRESSURE:	61	PSI
(G)	FINAL CLOSED-IN PRESSURE:	184	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2186	PSI
WELL TEMPERATURE:		120	'F

OPEN TOOL: 4:50 A.M.

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:	90	MIN	90	MIN
FINAL CLOSED-IN PRESSURE:	90	MIN	93	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	30	0	33	0	46	0	61
2	5	30	3	40	5	46	3	65
3	10	30	6	48	10	46	6	69
4	15	30	9	56	15	46	9	73
5	20	31	12	64	20	47	12	77
6	25	32	15	72	25	48	15	81
7	30	33	18	80	30	49	18	86
8			21	88	35	50	21	91
9			24	96	40	51	24	96
10			27	103	45	52	27	101
11			30	110	50	53	30	105
12			33	117	55	54	33	109
13			36	124	60	55	36	113
14			39	131	65	56	39	117
15			42	138	70	57	42	121
16			45	144	75	58	45	125
17			48	150	80	59	48	129
18			51	156	85	60	51	133
19			54	162	90	61	54	137
20			57	168			57	141
21			60	174			60	146
22							63	150
23							66	154
24							69	158
25							72	162
26							75	166
27							78	170
28							81	174
29							84	178
30							87	180

PRESSURE BREAKDOWN - CONT. - TICKET #7398

PT	FIRST FLOW MIN	FIRST FLOW PRESSURE	INITIAL SHUT-IN MIN	INITIAL SHUT-IN PRESSURE	SECOND FLOW MIN	SECOND FLOW PRESSURE	FINAL SHUT-IN MIN	FINAL SHUT-IN PRESSURE
31								
32							90	182
33							93	184
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