OK

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 11535

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

Elevation 2557 KB Formation FIGHT HOLE UNKNOWN Eff. Pay ____ Ft.

District DODGE City Date 5/13/82 Customer Order No. ____

COMPANY NAME PICKRELL DRLG. Company, Litwin Bldg

ADDRESS 110 N. MARKET #205 Wichita Ks 67202

LEASE AND WELL NO. #1 "C" IRONS COUNTY CLARK STATE Ks Sec. 5 Twp. 30S Rge. 24W

Mail Invoice To SAME (Co. Name / Address) No. Copies Requested 5

Mail Charts To SAME (Address) No. Copies Requested 4/5

Formation Test No. 1 Interval Tested from 5268 ft. to 5310 ft. Total Depth 5310 ft.

Packer Depth 5263 ft. Size 6 7/8 in. Packer Depth 5268 ft. Size 6 5/8 in.

Packer Depth ____ ft. Size ____ in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 5270 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 5274 ft. Recorder Number 6233 Cap. 4000

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

Drilling Contractor Co Tools Rig #1

Mud Type CHEM (BAROID) Viscosity 46

Weight 9.2 Water Loss 12.8 cc.

Chlorides 19,500 P.P.M.

Jars: Make ~~Bowen~~ WTC Serial Number 414

Did Well Flow? NO Reversed Out NO

Drill Collar Length 247' I. D. 2.2 in.

Weight Pipe Length ____ I. D. ____ in.

Drill Pipe Length 4992' I. D. 3.8 in.

Test Tool Length 29' ft. Tool Size 4.5 in.

Anchor Length 42' ft. Size 5.5 in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4.5 in.

Blow: ~~1ST~~ - FEW BUBBLES - DIED IN 20 MIN on the initial flow period

~~2ND~~ - NO BLOW - FLUSHED TOOL NO HELP on the final flow period

Recovered 10 ft. of MUD

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

RECEIVED MAY 17 1982

Remarks: - GEOLOGIST OKAYED EXTRA SHUTIN TIME - BAD WEATHER -

Time On Location	3:45 A.M. (P.M.)	Time Pick Up Tool	5:00 A.M. (P.M.)	Time Off Location	A.M. P.M.
Time Set Packer(s)	8:00 A.M. (P.M.)	Time Started Off Bottom	10:10 A.M. (P.M.)	Maximum Temperature	121°

Initial Hydrostatic Pressure			(A)	2611	P.S.I.		
Initial Flow Period	Minutes 30	(B)	42	P.S.I. to	(C)	42	P.S.I.
Initial Closed In Period	Minutes 40	(D)	53	P.S.I.			
Final Flow Period	Minutes 30	(E)	53	P.S.I. to	(F)	53	P.S.I.
Final Closed In Period	Minutes 30	(G)	53	P.S.I.			
Final Hydrostatic Pressure		(H)	2580	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 Carl L. Shultz Jr.
Signature of Customer or his authorized representative

Western Representative Darrell Clapham

Claude L. Sheets Jr. Thank you Claude

FIELD INVOICE

Open Hole Test	$ 750.00
Misrun	$ ____
Straddle Test	$ ____
Jars	$ 300.00
Selective Zone	$ ____
Safety Joint	$ 65.00
Standby	$ ____
Evaluation	$ ____
Extra Packer	$ ____
Circ. Sub.	$ ____
Mileage NC	$ -0-
Fluid Sampler	$ ____
Extra Charts	$ ____
Insurance	$ ____
TOTAL	$ 1115.00

WESTERN TESTING CO., INC.

Pressure Data

Date 5-13-82 Test Ticket No. 11535

Recorder No. 10980 Capacity 4200 Location 5270 Ft

Clock No. — — — — Elevation 2557 KB Well Temperature 121 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2611	P.S.I.	Open Tool 8:00 PM	
B	First Initial Flow Pressure	42	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
C	First Final Flow Pressure	42	P.S.I.	Initial Closed-in Pressure 40 Mins.	42 Mins.
D	Initial Closed-in Pressure	53	P.S.I.	Second Flow Pressure 30 Mins.	30 Mins.
E	Second Initial Flow Pressure	49	P.S.I.	Final Closed-in Pressure 30 Mins.	30 Mins.
F	Second Final Flow Pressure	54	P.S.I.		
G	Final Closed-in Pressure	60	P.S.I.		
H	Final Hydrostatic Mud	2580	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	42
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	42
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: 14 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	42
3	42
6	43
9	44
12	45
15	46
18	46
21	47
24	47
27	48
30	49
33	50
36	51
39	52
42	53
45	
48	
51	
54	
57	
60	

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

Point Minutes	Press.
0	49
5	49
10	66 Flushed Tool
15	58
20	54
25	54
30	54
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	54
3	54
6	55
9	56
12	57
15	58
18	59
21	60
24	
27	
30	60
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Company Pickrell Drilling Company — Lease & Well No. #1 "C" Irons

Elevation 2557 Kelly Bushing — Formation Unknown — Effective Pay - Ft. — Ticket No. 11535

Date 5/ 13 /82 — Sec. 5 — Twp. 30S — Range 24W — County Clark — State Kansas

Test Approved by Claud L. Sheats, Jr. — Western Representative Darrell Claphan

Formation Test No. 1 — Interval Tested from 5268 ft. to 5310 ft. — Total Depth 5310 ft.

Packer Depth 5263 ft. — Size 6 5/8 in. — Packer Depth 5268 ft. — Size 6 5/8 in.

Packer Depth - ft. — Size - in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5270 ft. — Recorder Number 10980 — Cap. 4200

Bottom Recorder Depth (Outside) 5274 ft. — Recorder Number 6233 — Cap. 4000

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

Drilling Contractor Pickrell Drilling Rig #1 — Drill Collar Length 247 — I. D. 2.2 in.

Mud Type chemical — Viscosity 46 — Weight Pipe Length - — I. D. - in.

Weight 9.2 — Water Loss 12.8 cc. — Drill Pipe Length 4992 — I. D. in.

Chlorides 17,500 P.P.M. — Test Tool Length 29 ft. — Tool Size 4.5 in.

Jars: Make WTC — Serial Number 414 — Anchor Length 42 ft. — Size 5.5 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 4.5 in.

Blow: Few bubbles; died in twenty minutes on initial flow period. Final flow period no blow-flushed tool - no help.

Recovered 10 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: TIGHT HOLE

Geologist okayed extra shut-in time - bad weather

Time Set Packer(s) 8:00 ~~A.M.~~ P.M. — Time Started Off Bottom 10:10 ~~A.M.~~ P.M. — Maximum Temperature 121°

Initial Hydrostatic Pressure			(A)	2611	P.S.I.	
Initial Flow Period	Minutes 30	(B)	42	P.S.I. to (C)	42	P.S.I.
Initial Closed In Period	Minutes 42	(D)	53	P.S.I.		
Final Flow Period	Minutes 30	(E)	49	P.S.I. to (F)	54	P.S.I.
Final Closed In Period	Minutes 30	(G)	60	P.S.I.		
Final Hydrostatic Pressure			(H)	2580	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 5/13/82 Test Ticket No. 11535

Recorder No. 10980 Capacity 4200 Location 5270 Ft.

Clock No. --- Elevation 2557 Kelly Bushing Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2611 P.S.I.	Open Tool	8:00P M	
B First Initial Flow Pressure	42 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	42 P.S.I.	Initial Closed-in Pressure	40 Mins.	42 Mins.
D Initial Closed-in Pressure	53 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	49 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	54 P.S.I.			
G Final Closed-in Pressure	60 P.S.I.			
H Final Hydrostatic Mud	2580 P.S.I.			

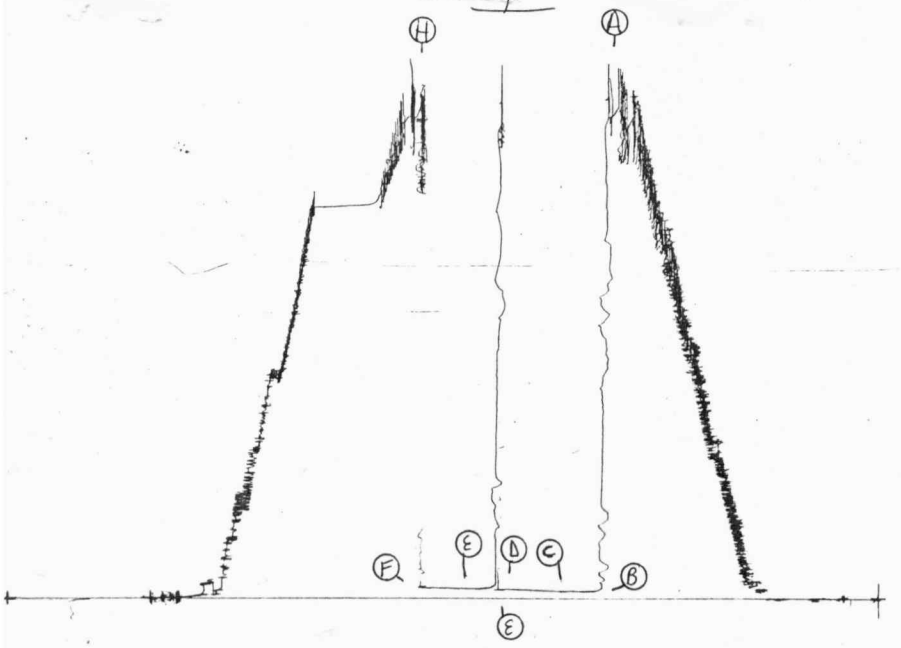
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 14 Inc.		Breakdown: 6 Inc.		Breakdown: 10 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 0	42	0	42	0	49	0	54
P 2 5	42	3	42	5	49	3	54
P 3 10	42	6	43	10	66	6	55
P 4 15	42	9	44	15	58	9	56
P 5 20	42	12	45	20	54	12	57
P 6 25	42	15	46	25	54	15	58
P 7 30	42	18	46	30	54	18	59
P 8		21	47			21	60
P 9		24	47			24	60
P10		27	48			27	60
P11		30	49			30	60
P12		33	50				
P13		36	51				
P14		39	52				
P15		42	53				
P16							
P17							
P18							
P19							
P20							

Flushed tool

TKT # 11535

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08601

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET № 11536 OK

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

Elevation 2557 K.B Formation UNKNOWN Eff. Pay ___ Ft.

District Dodge City Date 5/14/82 Customer Order No. ___

COMPANY NAME Pickrell Drlg Company Litwin Bldg. #205 Wichita Ks 67202

ADDRESS 110 N. MARKET

LEASE AND WELL NO. #1 "C" IRONS COUNTY CLARK STATE KS Sec. 5 Twp 30S Rge 24W

Mail Invoice To SAME (Co. Name / Address) No. Copies Requested 5

Mail Charts To SAME (Address) No. Copies Requested 4-5

Formation Test No. 2 Interval Tested from 5318 ft. to 5390 ft. Total Depth 5390 ft.

Packer Depth 5313 ft. Size 6 5/8 in. Packer Depth 5318 ft. Size 6 7/8 in.

Packer Depth ___ ft. Size ___ in. Packer Depth ___ ft. Size ___ in.

Depth of Selective Zone Set ___

Top Recorder Depth (Inside) 5345 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 5349 ft. Recorder Number 6233 Cap. 4000

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

Drilling Contractor Co. tools Rig #1

Mud Type BAROID Viscosity 46

Weight 9.4 Water Loss 15.4 cc.

Chlorides 23,000 P.P.M.

Jars: Make ~~Bowen~~ WTC Serial Number 414

Did Well Flow? YES C.T.S Reversed Out NO

Drill Collar Length 247' I. D. 2.2 in.

Weight Pipe Length ___ I. D. ___ in.

Drill Pipe Length 5042 I. D. 3.8 in.

Test Tool Length 29' ft. Tool Size 4.5 in.

Anchor Length 72' ft. Size 5.5 in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4.5 in.

Blow: ~~1ST~~ - WEAK BUILDING TO STRONG IN 15 MIN. 1/4" TO 12" on the Initial flow period
~~2ND~~ - STRONG BLOW THROUGHOUT Final flow period GAS TO SURFACE IN 70 MIN TOO SMALL TO GAUGE OF 2ND OPENING

Recovered 15' ft. of CLEAN OIL

Recovered 110' ft. of O+GCM 15% oil 22% GAS 3% W 60% M

Recovered 60' ft. of O+GCM 15% oil 2% GAS 4% W 79% M GRAVITY 43

Recovered 60' ft. of O+GCM 5% oil 4% GAS 39% W 88% M

Recovered 60' ft. of O+GCM 4% oil 22% GAS 2% W 72% M

Remarks: GAS WOULD BURN
~~305' TOTAL FLUID~~
TELECOPIED CHARTS TO WICHITA - READ BOTTOM CHART -

Time On Location	7:00 A.M. (P.M.)	Time Pick Up Tool	8:45 A.M. (P.M.)	Time Off Location	A.M. P.M.
Time Set Packer(s)	11:30 (A.M.) P.M.	Time Started Off Bottom	5:00 (A.M.) P.M.	Maximum Temperature	124°

Initial Hydrostatic Pressure		(A)	2696	P.S.I.		
Initial Flow Period	Minutes 30	(B)	101	P.S.I. to (C)	101	P.S.I.
Initial Closed In Period	Minutes 60	(D)	1581	P.S.I.		
Final Flow Period	Minutes 120	(E)	111	P.S.I. to (F)	132	P.S.I.
Final Closed In Period	Minutes 120	(G)	1571	P.S.I.		
Final Hydrostatic Pressure		(H)	2666	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 Paul L. Shuntz
Signature of Customer or his authorized representative

RECEIVED MAY 17 1982

Western Representative Darrell Clapton

FIELD INVOICE

Open Hole Test	$	750.00
Misrun	$	~~1000.00~~
TELECOPY Straddle Test	$	
Jars	$	300.00
Selective Zone	$	
Safety Joint	$	65.00
Standby	$	
Evaluation	$	
Extra Packer	$	
Circ. Sub.	$	
Mileage	$	
Fluid Sampler	$	
Extra Charts	$	
Insurance	$	~~100.00~~
TOTAL	$	~~1115.00~~ 1115.00

WESTERN TESTING CO., INC.

Pressure Data

Date 5-14-82 Test Ticket No. 11536

Recorder No. 6233 Capacity 4000 Location 5349 F

Clock No. — — — — Elevation 2557 KB Well Temperature 124 °

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2697 P.S.I.		Open Tool	11:30 PM	
B	First Initial Flow Pressure	113 P.S.I.		First Flow Pressure	30 Mins.	30 Mins
C	First Final Flow Pressure	113 P.S.I.		Initial Closed-in Pressure	60 Mins.	43 Mins
D	Initial Closed-in Pressure	1580 P.S.I.		Second Flow Pressure	120 Mins.	120 Mins
E	Second Initial Flow Pressure	120 P.S.I.		Final Closed-in Pressure	120 Mins.	123 Mins
F	Second Final Flow Pressure	136 P.S.I.				
G	Final Closed-in Pressure	1578 P.S.I.				
H	Final Hydrostatic Mud	2665 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	113
P 2	5	
P 3	10	
P 4	15	
P 5	20	
P 6	25	
P 7	30	113
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	113
3	115
6	197
9	305
12	425
15	568
18	707
21	859
24	1012
27	1151
30	1258
33	1337
36	1393
39	1437
42	1472
45	1497
48	1517
51	1535
54	1549
57	1562
60	1572
63	1580

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	120
5	
10	1
15	120
20	121
25	121
30	121
35	122
40	122
45	122
50	123
55	124
60	125
65	127
70	129
75	131
80	131
85	132
90	133
95	133
100	134

Cont

Final Shut-In
Breakdown: 41 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	136
3	229
6	307
9	404
12	534
15	709
18	886
21	1058
24	1175
27	1246
30	1306
33	1344
36	1379
39	1403
42	1424
45	1440
48	1455
51	1469
54	1480
57	1491
60	1497

Cont

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 1536

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.
105	135
110	135
115	136
120	136

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

Point Minutes	Press.
63	1505
66	1511
69	1519
72	1525
75	1531
78	1538
81	1543
84	1549
87	1550
90	1555
93	1558
96	1560
99	1562
102	1566
105	1566
108	1570
111	1571
114	1571
117	1571
120	1576
123	1578

Company Pickrell Drilling Company | Lease & Well No. #1 "C" Irons

Elevation 2557 Kelly Bushing | Formation Unknown | Effective Pay - Ft. | Ticket No. 11536

Date 5/ 14 /82 | Sec. 5 | Twp. 30S | Range 24W | County Clark | State Kansas

Test Approved by Claud L. Sheats, Jr. | Western Representative Darrell Claphan

Formation Test No. 2 | Interval Tested from 5318 ft. to 5390 ft. | Total Depth 5390 ft.

Packer Depth	5313 ft. Size 6 5/8 in.	Packer Depth	5318 ft. Size 6 5/8 in.
Packer Depth	- ft. Size - in.	Packer Depth	- ft. Size - in.
Depth of Selective Zone Set	-		
Top Recorder Depth (Inside)	5345 ft.	Recorder Number	10980 Cap. 4200
Bottom Recorder Depth (Outside)	5349 ft.	Recorder Number	6233 Cap. 4000
Below Straddle Recorder Depth	- ft.	Recorder Number	- Cap. -
Drilling Contractor	Pickrell Drilling Rig #1	Drill Collar Length	247 I. D. 2.2 in.
Mud Type	chemical Viscosity 46	Weight Pipe Length	- I. D. - in.
Weight	9.4 Water Loss 15.4 cc.	Drill Pipe Length	5042 I. D. in.
Chlorides	23,000 P.P.M.	Test Tool Length	29 ft. Tool Size 4.5 in.
Jars: Make	WTC Serial Number 414	Anchor Length	72 ft. Size 5.5 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 4.5 in.

Blow: Weak building to strong in fifteen minutes -one fourth inch to twelve inches on initial flow period. Strong blow throughout final flow period;gas to surface in seventy minutes of final flow period - too small to gauge.

Recovered ft. of

Recovered 15 ft. of clean oil

Recovered 110 ft. of oil and gas cut mud 15% oil;22% gas;3% water;60% mud

Recovered 60 ft. of oil and gas cut mud 15% oil;2 % gas;4% water;79% mud Gravity 43

Recovered 60 ft. of oil and gas cut mud 5% oil;4% gas;3% water;88% mud

Recovered 60 ft. of oil and gas cut mud 4% oil;22% gas;2% water;72% mud

Remarks: Gas would burn.

Read bottom chart.

Time Set Packer(s) 11:30 ~~A.M.~~ P.M. | Time Started Off Bottom 5:00 ~~A.M.~~ ~~P.M.~~ | Maximum Temperature 124°

Initial Hydrostatic Pressure		(A) 2697 P.S.I.				
Initial Flow Period	Minutes 30	(B) 113 P.S.I.	to (C)	113 P.S.I.		
Initial Closed In Period	Minutes 63	(D) 1580 P.S.I.				
Final Flow Period	Minutes 120	(E) 120 P.S.I.	to (F)	136 P.S.I.		
Final Closed In Period	Minutes 123	(G) 1578 P.S.I.				
Final Hydrostatic Pressure		(H) 2665 P.S.I.				

WTC

WESTERN TESTING CO., INC.
Pressure Data

Date 5/14/82 Test Ticket No. 11536

Recorder No. 6233 Capacity 4000 Location 5349 Ft.

Clock No. -- Elevation 2557 Kelly Bushing Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2697 P.S.I.		Open Tool	11:30P M	
B	First Initial Flow Pressure	113 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	113 P.S.I.		Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	1580 P.S.I.		Second Flow Pressure	120 Mins.	120 Mins.
E	Second Initial Flow Pressure	120 P.S.I.		Final Closed-in Pressure	120 Mins.	123 Mins.
F	Second Final Flow Pressure	136 P.S.I.				
G	Final Closed-in Pressure	1578 P.S.I.				
H	Final Hydrostatic Mud	2665 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	113
P 2	5	113
P 3	10	113
P 4	15	113
P 5	20	113
P 6	25	113
P 7	30	113
P 8		
P 9		
P10		
P11		
P12		
P13		
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	113
	3	115
	6	197
	9	305
	12	425
	15	568
	18	707
	21	859
	24	1012
	27	1151
	30	1258
	33	1337
	36	1393
	39	1437
	42	1472
	45	1497
	48	1517
	51	1535
	54	1549
	57	1562
	60	1572
	63	1580

Second Flow Pressure
Breakdown: 24 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	120
	5	120
	10	120
	15	120
	20	121
	25	121
	30	121
	35	122
	40	122
	45	122
	50	123
	55	124
	60	125
	65	127
	70	129
	75	131
	80	131
	85	132
	90	133
	95	133
	100	134

CONTINUED

Final Shut-In
Breakdown: 41 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	136
	3	229
	6	307
	9	404
	12	534
	15	709
	18	886
	21	1058
	24	1175
	27	1246
	30	1306
	33	1344
	36	1379
	39	1403
	42	1424
	45	1440
	48	1455
	51	1469
	54	1480
	57	1491
	60	1497

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WESTERN TESTING CO., INC.
Pressure Data

Date 5/14/82 Test Ticket No. 11536

Recorder No. 6233 Capacity 4000 Location 5349 Ft.

Clock No. -- Elevation 2557 Kelly Bushing Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2697 P.S.I.	Open Tool		11:30P M	
B	First Initial Flow Pressure	113 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	113 P.S.I.	Initial Closed-in Pressure		60 Mins.	63 Mins.
D	Initial Closed-in Pressure	1580 P.S.I.	Second Flow Pressure		120 Mins.	120 Mins.
E	Second Initial Flow Pressure	120 P.S.I.	Final Closed-in Pressure		120 Mins.	123 Mins.
F	Second Final Flow Pressure	136 P.S.I.				
G	Final Closed-in Pressure	1578 P.S.I.				
H	Final Hydrostatic Mud	2665 P.S.I.				

PRESSURE BREAKDOWN

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

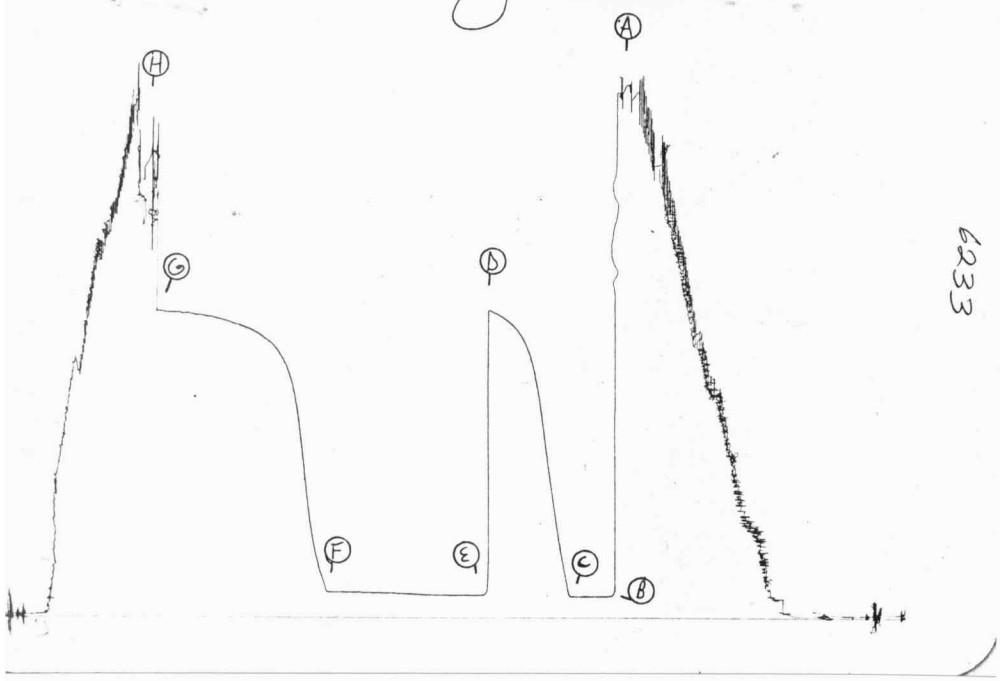
Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 41 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				105	135	63	1505
P 2				110	135	66	1511
P 3				115	136	69	1519
P 4				120	136	72	1525
P 5						75	1531
P 6						78	1538
P 7						81	1543
P 8						84	1549
P 9						87	1550
P10						90	1555
P11						93	1558
P12						96	1560
P13						99	1562
P14						102	1566
P15						105	1566
P16						108	1570
P17						111	1571
P18						114	1571
P19						117	1571
P20						120	1576
						123	1578

TKT # 11536



6233