WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 5854

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Elevation _____ Formation Mississippi Eff. Pay _____ Ft.

District Augusta Date July 12, 1980 Customer Order No. _____

COMPANY NAME Range Oil Co Inc.

ADDRESS 250 Page Court Wichita

LEASE AND WELL NO. Wallace #1B COUNTY Marion STATE KA Sec. 7 Twp. 22S Rge. 4E

Mail Invoice To Same (Co. Name) Address _____ No. Copies Requested 1

Mail Charts To Same Address _____ No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2436 ft. to 2463 ft. Total Depth 2463 ft.

Packer Depth 2436 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 2431 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2440 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 2444 ft. Recorder Number 10980 Cap. 4200

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

Drilling Contractor Co Tools Drill Collar Length 120 I. D. _____ in.

Mud Type Chem Viscosity 45 Weight Pipe Length _____ I. D. _____ in.

Weight 9.5 Water Loss _____ cc. Drill Pipe Length _____ I. D. _____ in.

Chlorides 2000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make NO Serial Number NO Anchor Length 27 ft. Size 5 1/2 in.

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

Main Hole Size 7 in. Tool Joint Size 4 1/2 X H in.

Blow: Initial Blow Very Weak Surface Blow, 5 min, NO blow Final second flow

Recovered 1 ft. of Mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 1:55 A.M. P.M. Time Started Off Bottom 4:25 A.M. P.M. Maximum Temperature 108

Initial Hydrostatic Pressure		(A) 1223	P.S.I.	
Initial Flow Period	Minutes 30	(B) 21	P.S.I. to (C) 21	P.S.I.
Initial Closed In Period	Minutes 30	(D) 105	P.S.I.	
Final Flow Period	Minutes 30	(E) 21	P.S.I. to (F) 21	P.S.I.
Final Closed In Period	Minutes 60	(G) 413	P.S.I.	
Final Hydrostatic Pressure		(H) 1223	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 Clyde M. Kreidler
Signature of Customer or his authorized representative
S.M. Kreidler

Western Representative Kenny Kirkendall

FIELD INVOICE

Open Hole Test	$ 550.00
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
46 Mileage	$ 34.50
Fluid Sampler	$
Extra Charts	$
TOTAL	$ 584.50

WESTERN TESTING CO., INC.
Pressure Data

Date 7-12. Test Ticket No. 58954

Recorder No. 2605 Capacity 4150 Location 2440 Ft.

Clock No. — Elevation — Well Temperature 108 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1227	P.S.I.	Open Tool	1:55 A.M	
B	First Initial Flow Pressure	23	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	19	P.S.I.	Initial Closed-in Pressure	30 Mins.	24 Mins.
D	Initial Closed-in Pressure	103	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	29	P.S.I.	Final Closed-in Pressure	60 Mins.	23 Mins.
F	Second Final Flow Pressure	21	P.S.I.			
G	Final Closed-in Pressure	415	P.S.I.			
H	Final Hydrostatic Mud	1200	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	23
P 2 5	19
P 3 10	
P 4 15	
P 5 20	
P 6 25	
P 7 30	19
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: 8 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	19
3	19
6	19
9	19
12	21
15	32
18	46
21	70
24	103
27	
30	
33	
36	
39	
42	
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	29
5	21
10	
15	
20	
25	
30	21
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 69 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	21
3	
6	
9	
12	
15	21
18	29
21	40
24	54
27	76
30	105
33	141
36	177
39	209
42	239
45	264
48	288
51	313
54	330
57	351
60	368

Cont.

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Test Ticket No. 5854

Capacity

Location

Elevation

Well Temperature

Pressure			Time Given	Time Computed
Hydrostatic Mud	P.S.I.	Open Tool	M	
Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	M
Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	M
Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	M
Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	M
Final Flow Pressure	P.S.I.			
Closed-in Pressure	P.S.I.			
Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

irst Flow Pressure

akdown: Inc.

5 mins. and a

l inc. of 0 Min.

	Press.

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 Mi

Point Minutes	Press.
63	385
66	396
69	415
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

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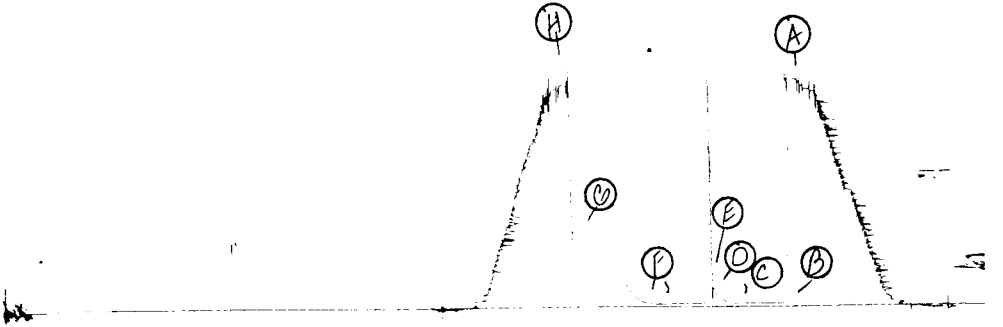

Company Range Oil Company, Inc. Lease & Well No. Wallace "B"#1

Elevation ----- Formation Mississippi Effective Pay ----- Ft. Ticket No. 5854

Date 7/12/80 Sec. 7 Twp. 22S Range 4E County Marion State Kansas

Test Approved by Stephen M. Kreidler Western Representative Kenny Kirkendall

Formation Test No. 1 Interval Tested from 2436 ft. to 2463 ft. Total Depth 2463 ft.

Packer Depth 2436 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2431 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2440 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 2444 ft. Recorder Number 10980 Cap. 4200

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

Drilling Contractor Range Drilling Drill Collar Length 120 I. D. - in.

Mud Type chemical Viscosity 45 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss - cc. Drill Pipe Length - I. D. - in.

Chlorides 2,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½ in.

Jars: Make No Serial Number No Anchor Length 27 ft. Size 5½ in.

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

Main Hole Size 7 in. Tool Joint Size 4½XH in.

Blow: Initial blow very weak;died in five minutes. No blow final flow.

Recovered 1 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:55 A.M. P.M. Time Started Off Bottom 4:25 A.M. P.M. Maximum Temperature 108°

Initial Hydrostatic Pressure ..... (A) 1227 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 23 P.S.I. to (C) 19 P.S.I.

Initial Closed In Period ..... Minutes 24 (D) 103 P.S.I.

Final Flow Period ..... Minutes 30 (E) 29 P.S.I. to (F) 21 P.S.I.

Final Closed In Period ..... Minutes 23 (G) 415 P.S.I.

Final Hydrostatic Pressure ..... (H) 1200 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 7-12-80 Test Ticket No. 5854

Recorder No. 2605 Capacity 4150 Location 2440 Ft.

Clock No. -- Elevation -- Well Temperature 108 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1227 P.S.I.	Open Tool	1:55 A.M.	
B	First Initial Flow Pressure	23 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	19 P.S.I.	Initial Closed-in Pressure	30 Mins.	24 Mins.
D	Initial Closed-in Pressure	103 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	29 P.S.I.	Final Closed-in Pressure	60 Mins.	23 Mins.
F	Second Final Flow Pressure	21 P.S.I.			
G	Final Closed-in Pressure	415 P.S.I.			
H	Final Hydrostatic Mud	1200 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	23
P 2 5	19
P 3 10	19
P 4 15	19
P 5 20	19
P 6 25	19
P 7 30	19
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 8 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	19
3	19
6	19
9	19
12	21
15	32
18	46
21	70
24	103

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

Point Minutes	Press.
0	29
5	21
10	21
15	21
20	21
25	21
30	21

Final Shut-In
Breakdown: 69 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	21
3	21
6	21
9	21
12	21
15	21
18	29
21	40
24	54
27	76
30	105
33	141
36	177
39	209
42	239
45	264
48	288
51	313
54	330
57	351
60	368

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CONTINUED

WESTERN TESTING CO., INC.

Pressure Data

Date 7-12-80 Test Ticket No 5854

Recorder No 2605 Capacity 4150 Location 2440 Pr

Clock No -- Elevation -- Well Temperature 108 °I

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1227	P.S.I.	Open Tool	1:55 A. M.	
B	First Initial Flow Pressure	23	P.S.I.	First Flow Pressure	30 Mins.	30 Min
C	First Final Flow Pressure	19	P.S.I.	Initial Closed-in Pressure	30 Mins.	24 Min
D	Initial Closed-in Pressure	103	P.S.I.	Second Flow Pressure	30 Mins.	30 Min
E	Second Initial Flow Pressure	29	P.S.I.	Final Closed-in Pressure	60 Mins.	23 Min
F	Second Final Flow Pressure	21	P.S.I.			
G	Final Closed-in Pressure	415	P.S.I.			
H	Final Hydrostatic Mud	1200	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: 8 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 69 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						63	385
P 2						66	396
P 3						69	415
P 4							
P 5							
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET Nº 5855

Kelly Bushing

Elevation 1435KB Formation Mississippi Eff. Pay Ft.

District Augusta Date July 13 Customer Order No.

COMPANY NAME Range Oil Co Inc

ADDRESS 250 Page Court Wichita Kansas

LEASE AND WELL NO. Wallace "B"-1 COUNTY Marion STATE Ks Sec. 7 Twp 22S Rge 4E

Mail Invoice To Same No. Copies Requested 1
Co. Name Address

Mail Charts To Same No. Copies Requested 5
Address

Formation Test No. 2 Interval Tested from 2463 ft. to 2488 ft. Total Depth 2488 ft.

Packer Depth 2463 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 2458 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2468 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 2471 ft. Recorder Number 10980 Cap. 4200

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

Drilling Contractor Co-tools Rig #1 Drill Collar Length 120 I. D. in.

Mud Type Chem Viscosity 35 Weight Pipe Length I. D. in.

Weight 9.3 Water Loss 14.4 cc. Drill Pipe Length 2322 I. D. 5 1/2 in.

Chlorides 1100 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make NO Serial Number NO Anchor Length 25 ft. Size in.

Did Well Flow? NO Reversed Out 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 blow throughout (initial) first flow, Weak blow throughout (final) second flow period

Recovered 90 ft. of muddy salt water with small amount of Oil

Recovered ft. of on top of tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

On location 2:30. pick up tools 3:00 Job completed

Time Set Packer(s) 5:25 ~~A.M.~~ P.M. Time Started Off Bottom 8:55 A.M. P.M. Maximum Temperature 108°

Initial Hydrostatic Pressure			(A) 1244	P.S.I.		
Initial Flow Period	Minutes 30		(B) 10	P.S.I. to	(C) 21	P.S.I.
Initial Closed In Period	Minutes 30		(D) 539	P.S.I.		
Final Flow Period	Minutes 60		(E) 52	P.S.I. to	(F) 52	P.S.I.
Final Closed In Period	Minutes 90		(G) 601	P.S.I.		
Final Hydrostatic Pressure			(H) 1244	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 S. M. Kindler
Signature of Customer or his authorized representative

Western Representative Kenny Kuckendall

FIELD INVOICE

	Open Hole Test	$ 550.00
	Misrun	$
	Straddle Test	$
	Jars	$
	Selective Zone	$
	Safety Joint	$
	Standby	$
	Evaluation	$
	Extra Packer	$
	Circ. Sub.	$
48	Mileage	$ 36.00
	Fluid Sampler	$
	Extra Charts	$
	TOTAL	$ 586.00

WESTERN TESTING CO., INC.
Pressure Data

Date 7-13 Test Ticket No. 5855

Recorder No. 2605 Capacity 4150 Location 2468 Ft.

Clock No. 7 Elevation 1435 KB Well Temperature 108 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1244 P.S.I.		Open Tool	5:25 PM	
B	First Initial Flow Pressure	21 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	23 P.S.I.		Initial Closed-in Pressure	30 Mins.	33 Mins.
D	Initial Closed-in Pressure	595 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	63 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	57 P.S.I.				
G	Final Closed-in Pressure	613 P.S.I.				
H	Final Hydrostatic Mud	1221 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	21
P 2 5	15
P 3 10	15
P 4 15	15
P 5 20	19
P 6 25	21
P 7 30	23
P 8 35	[illegible]
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	23
3	288
6	394
9	451
12	489
15	519
18	541
21	558
24	570
27	580
30	589
33	595
36	
39	
42	
45	
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	63
5	57
10	
15	
20	
25	
30	
35	
40	
45	
50	
55	
60	57
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	57
3	277
6	349
9	400
12	432
15	455
18	472
21	492
24	506
27	517
30	526
33	535
36	543
39	549
42	556
45	562
48	568
51	570
54	574
57	578
60	582

Cont

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Test Ticket No. 2814

Capacity _____ Location _____

Elevation _____ Well Temperature _____

	Time Given	Time Computed
	M	
Open Tool	Mins	M
First Flow Pressure	Mins	M
Initial Closed-in Pressure	Mins	M
Second Flow Pressure	Mins	M
Final Closed-in Pressure		

Pressure

Hydrostatic Mud	P.S.I.
Initial Flow Pressure	P.S.I.
Final Flow Pressure	P.S.I.
Closed-in Pressure	P.S.I.
Initial Flow Pressure	P.S.I.
Final Flow Pressure	P.S.I.
Closed-in Pressure	P.S.I.
Hydrostatic Mud	P.S.I.

PRESSURE BREAKDOWN

rst Flow Pressure

kdown: _____ Inc.

5 mins. and a

inc. of 0 Min.

	Press.

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	585
66	588
69	592
72	596
75	599
78	607
81	604
84	606
87	608
90	609
93	613
96	
99	
102	
105	
108	
111	
114	
117	
120	

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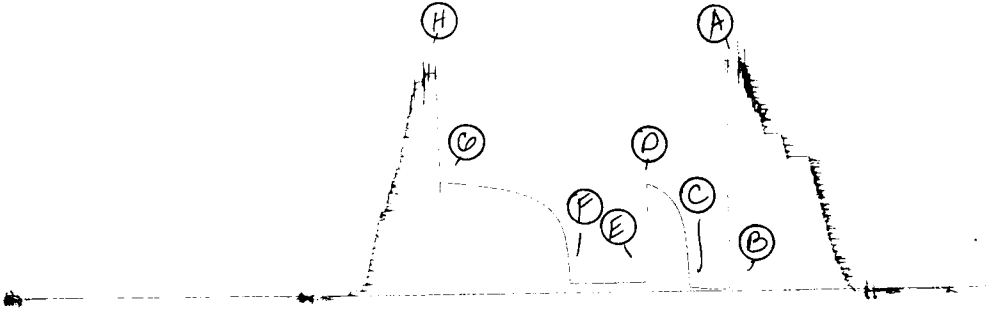

Company Range Oil Company, Inc. Lease & Well No. Wallace "B"#1

Elevation 1435 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 5855

Date 7/13/80 Sec. 7 Twp. 22S Range 4E County Marion State Kansas

Test Approved by Stephen M. Kreidler Western Representative Kenny Kirkendall

Formation Test No. 2 Interval Tested from 2463 ft. to 2488 ft. Total Depth 2488 ft.

Packer Depth 2463 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2458 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2468 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 2471 ft. Recorder Number 10980 Cap. 4200

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

Drilling Contractor Range Drilling Rig #1 Drill Collar Length 120 I. D. - in.

Mud Type chemical Viscosity 35 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 14.4 cc. Drill Pipe Length 2322 I. D. in.

Chlorides 1,100 P.P.M. Test Tool Length 21 ft. Tool Size 5½ in.

Jars: Make No Serial Number No Anchor Length 25 ft. Size 5½ in.

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

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

Blow: Weak blow throughout initial flow;weak blow throughout final flow period.

Recovered 90 ft. of muddy salt water with small amount of oil on top of tool.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:25 A.M. P.M. Time Started Off Bottom 8:55 A.M. P.M. Maximum Temperature 108°

Initial Hydrostatic Pressure			(A) 1244	P.S.I.		
Initial Flow Period	Minutes 30	(B) 21	P.S.I. to	(C) 23	P.S.I.	
Initial Closed In Period	Minutes 33	(D) 595	P.S.I.			
Final Flow Period	Minutes 60	(E) 63	P.S.I. to	(F) 57	P.S.I.	
Final Closed In Period	Minutes 93	(G) 613	P.S.I.			
Final Hydrostatic Pressure			(H) 1221	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

te 7-13-80 Test Ticket No. 5855

order No. 2605 Capacity 4150 Location 2468 Ft.

ck No. -- Elevation 1435 Kelly Bushing Well Temperature 108 °F

int	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	1244 P.S.I.	Open Tool	5:25 P. M.	
First Initial Flow Pressure	21 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
First Final Flow Pressure	23 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
Initial Closed-in Pressure	595 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
Second Initial Flow Pressure	63 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
Second Final Flow Pressure	57 P.S.I.			
Final Closed-in Pressure	613 P.S.I.			
Final Hydrostatic Mud	1221 P.S.I.			

PRESSURE BREAKDOWN

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

int ins.	Press.
1 0	21
2 5	15
3 10	15
4 15	15
5 20	19
6 25	21
7 30	23
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	23
3	288
6	394
9	451
12	489
15	519
18	541
21	558
24	570
27	580
30	589
33	595

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

Point Minutes	Press.
0	63
5	57
10	57
15	57
20	57
25	57
30	57
35	57
40	57
45	57
50	57
55	57
60	57

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	57
3	277
6	349
9	400
12	432
15	455
18	472
21	492
24	506
27	517
30	526
33	535
36	543
39	549
42	556
45	562
48	568
51	570
54	574
57	578
60	582

CONTINUED

WESTERN TESTING CO., INC.
Pressure Data

Date 7-13-80 Test Ticket No. 5855

Recorder No. 2605 Capacity 4150 Location 2468 Ft.

Clock No. -- Elevation 1435 Kelly Bushing Well Temperature 108 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1244 P.S.I.	Open Tool	5:25 P. M.	
B	First Initial Flow Pressure	21 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	23 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D	Initial Closed-in Pressure	595 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	63 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	57 P.S.I.			
G	Final Closed-in Pressure	613 P.S.I.			
H	Final Hydrostatic Mud	1221 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: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 31 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						63	585
P 2						66	588
P 3						69	592
P 4						72	596
P 5						75	599
P 6						78	602
P 7						81	604
P 8						84	606
P 9						87	608
P10						90	609
P11						93	613
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							